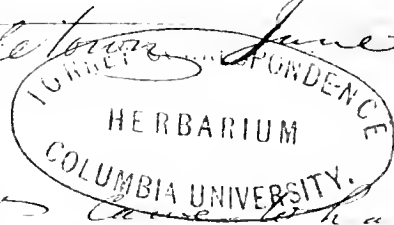


Middleton June 23-1827

My Dear Friend



Your kind Letter came to hand a short time since with a Book and Circular from Dr Karlington, owing to the manner in which it was packed up and wafered I was near paying about \$7 postage however my acquaintance with the postmaster just saved me.

I am much pleased with Dr D's Catalogue he does not neglect to notice Dr T's merits as a Botanist.

I was at Hartford a short time since and there saw Dr Comstock I found him writing from the Lathrop he received from the N American Review. I also visited Dr Sumner and was much pleased with him he is a fine worthy fellow.

I much regret I cannot often see you. I suppose you are living alone this summer owing to the absence of Mrs Torrey. This must be rather a trial to you though you are silent on this score. I am rather anxious

to know if it is probable you will have the professorship of Chemistry in N Y. Poor Dana how soon he has closed his mortal career. I was greatly shocked at the news of his death.

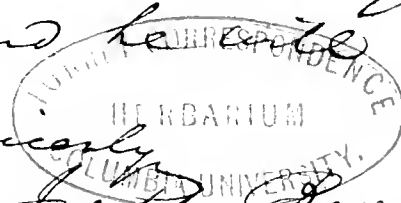
I have paid some attention to the Carex and shall
have some observations to offer. Carex vesicaria Lin.
grows abundantly in the meadows on the Banks
of Com at Middleboro. I have compared it
with my German specimens and have no
hesitation in saying it is the true plant
and the Carex ampullacea grows in Philipston
nothing Dr Toney ventured to think differently
in his note on C ampullacea. I have collected
a number of specimens for you they are not
however dry yet. I have also some other
interesting plants for you that will best at a
convenient opportunity it would give me
great satisfaction to see you at this place
your correspondence would be very gratifying
to me - and am always happy to hear from
you though I am aware that your
duties will not give you much spare
time. - Let me hear from you soon

Grass No 1 in
package is
Pan. american
not mist. spec.

will you have the kindness to send me
Nuttall's Travels in the Arkansas Territory
send it over to Dr Bacon and he will
forward it

Yours sincerely
Joseph Garratt

Dr Toney





J. Barnatt

June 23rd, 1827.

Recd July 10th

Aug 9 July 10th



Dr Jones

West Point

Care of
J. Barnatt

2
Dear Friend

I was sorry I had not more time to converse with you
on my last visits. you was however much taken
up with a new mineral and the reflecting goniometer
but you did not let an old acquaintance lead you away
Tell Mr Wm Cooper I went to look for *Arum dracontium*
in fruit but it had disappeared - most unluckily the locality
where it grows has been the theatre of operations for a new
dam - an untoward event Mr C has long wanted to see
this plant in fruit - it now appears to me that he will be
most likely to succeed by having it cultivated -
tell him I will try my best next season to procure the
fruit or plant

I received a letter from Greville a few days since
dated Rothsay Isle of Bute May 28 where ^{he} has gone
for the benefit of his health - he is preparing for
a British flora on a new plan I shall not now
trouble you with particulars as I suppose he has
written you -

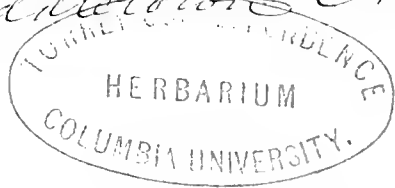
Very Truly Yours
L. Barratt

Oct 22 1827
To Dr Torrey



Dr Torrey
Professor of Chemistry
College of Physicians
N York

3
Middletown Nov 10 1827



Mr. Lea Friend

I have not heard from you since I left you in
the City as an opportunity presents I wish give you
a line to show you that your old friend has not
forgotten you I was desirous to hear how the

affairs of your college are going on and was
rather desirous to know how you get along with your
apparatus - I have been looking over the books for

the best information on Electro Magnetism have you
seen the article in the 69 No of the Quarterly Review

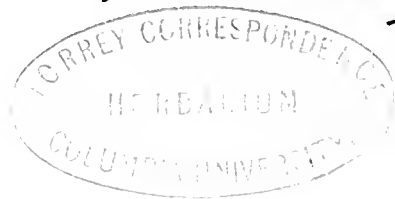
I was very anxious to get a sight of Faraday's Book
but did not succeed in getting a copy If Chilton would
lend me his one week I would be punctual
in returning it -

do you do any thing with Botany at this time
you are however I guess pretty busy with

Chemistry at this time and will be through the
winter - if you find time give me a letter

with particulars I was anxious to know the
best quantity of Acid for the Calorimeter as I had
yet put the apparatus in operation.

Yours very truly
J Barlett



have you heard from Dr Grinnell of late
I heard from Baron Sederen a few days since the
letter Judge was forwarded by May Delafield
The Baron will bring along a collection of Minerals
to this County. Col Weldon, I sent a collection
of plants to him to make me a return by the
Baron.

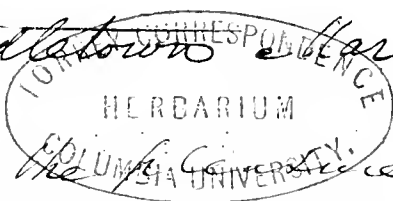
Your Syceum appeared to be in a flourishing condition
when I last visited it. your attendance no
doubt adds to its importance. I wish
I could see the City oftener but the expense
and loss of time deters me.

I have written so hastily that you must
excuse all my blunders in style and
spelling.

L.B.



Madison N.Y. 3-1828.



4

My Dear Friends,

I have not had the pleasure of hearing from you off late. I am aware that your time is so much taken up with your pursuits & that your distant friends cannot reasonably expect you to write often - an opportunity of sending to the City induces me to give you a short account of myself -

a few days since I went to New Haven to see Prof Silliman and had an opportunity of hearing him give 2 lectures - I need not trouble you with a particular account of him as a lecturer - his reputation is high and very deservedly - I spent the evening at his house greatly to my satisfaction he enquired after you and said he had never seen you he has a Manuscript & a beautiful collection of paintings of shells sent to him for publication in his journal several of them it appears to me are the same that have already been described by Mr. Barns - I forget the name of the person who sent the M.S. the place I recollect right is Marietta in Ohio you can tell Mr Barns he had better see the drawings before publication I advised Silliman to let Mr Barns see them and I understood him to say he would write him

Mr. Shepherd the assistant to Silliman is a fine fellow and bids fair to become an excellent Mineralogist he is making great preparations for the analysis of Minerals and has made some progress he is now about analysing the Mackle

+ the M.S. make no reference whatever to Barns shells figured

he appears to prefer Mchls to all others works of Mineralogy
I saw some Rabettite found by M. T. at Carver's Maine that for
size & transparency astonished me I have not seen a published
account of that. our Middlebury Rabettite is contemptible
in comparison

I want to know if you do any thing with Botany now
are you making any progress with the MS of the 2^d Vol of
the Flora

William kindly lent me Thompson's first principles in looking it over
I find he has marked it in a number of places -
have you seen an able review of the work I have looked
at it with some attention and fear that he is not to be

relied upon in every instance - though he is entitled to great
praise for his unwearied assiduity

I was very desirous to know where the specimen of
Mica was found I saw with you about 2
years ago in a periodical a long paper I think
it was by Rose - if convenient will you give me
the reference what I most wanted to know was
the quantity of fluorine acid contained in the different
kinds ^{of mica} and the ready method of detecting fluorine
acid in Mica I looked over many journals of
N. Haven without meeting with the article.

I suspect that fluorine ^{acid} exists in the rabettite -

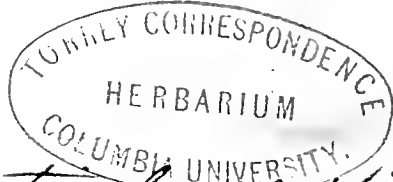
do inform me who is the chemist at West point at
this time is Percott there?

are you doing any thing by way of exchange
in Mineralogy -

Resent my respects to Mrs Torrey your little Daughter
 will soon be "old enough to crawl about in search
 of plants" - (to use your own language). I was very
 sorry I could not visit Mrs T the last time I was
 in N Y I shall most probably visit the city ~~there~~
 in 3 or 4 months.

Very Truly
 Your Friend

J Barrett



To Dr Torrey,

I have enclosed a letter for Mr Davis in answer to one
 in which he offers to make an exchange of minerals
 with me. I have also enclosed a letter to Mr Davis
 from my wife who is this gentleman's daughter about
 18 years old. I will keep as long as I can
 with her next summer.

Can you give me any particulars respecting
 the Crystal of Serpentine from Easton or Warwick
 I was desirous to know if possible the measurements
 of the crystals I examined the specimens in the
 Cabinet at N Haven but saw nothing
 that could be safely called a crystal

Has Baron Lederer brought out any fine Minerals
 from Germany Silliman enquired respecting Dr Mendel's
 Cabinet of Minerals and told me it was the one offered
 for sale in his Journal - I also saw Silliman

make an experiment with some new arrangements
 of a galvanic app it was a complete failure
 I was an attempt to simplify Wollaston's Instruments
 figured in Brand -

How are they going on at W Point I do not know who is
 Chaplain there is there any probability of your returning
 here &c

J. Barnatt
March 30 1828.

Recd. ~~Apr.~~ March 4th
Wm. H. Miller

Dr. J. H. Miller
Professor of Chemistry
College of Physicians
New York

Me
11

Middletown April 12 1828

My Dear Friends I was gratified with your letter of the 1st of the
month because your decision to know what you were
about. The fatiguing part of lecturing being over you will
have a little time for relaxation & Botany.
I am at this time engaged with Chemistry & Mineralogy.
The lectures on Chemistry are attended by all the students,
but Mineralogy less so. I shall have to go on with
Chemistry for some time - hitherto I go along ~~quietly~~
experimenting with ease to myself & as to the lecturing
part I take care to write ~~down~~ out my lectures
though I find it is not necessary to write out as much
as I had expected. I shall soon have to give
lectures on Botany. These various duties will take
up more ~~of~~ time in the summer than will be altogether
agreeable.
Yesterday I recd a letter from John Sedgwick in which he
informed me he had sent 2 packages of dried
plants for me at Chittens will you my dear Sir
have the goodness to see that they are safely put on board
the Steam Boat (any of the Hartford Boats) one package he
says is from Col. Welden & the other from J. A. Quinn.
I am glad to hear you are about to put your ~~fine~~ collections
in order. Your Herbarium will make quite a display
of late I have been so much charmed with Chemistry
that I have not paid that attention to Botany I
formerly did. I know nothing that will revive the
Botanical mania equal ~~any~~ to peeping a few days
into your

I was glad to find you had been so very successful in
making potassium. Though I must tell you unless my memory
in quantity fails me that I have been with Faraday when
he has made more — still your success was great

Considering the difficulty — on what terms could
distilled Naphtha be obtained should he be disposed to
undertake the experiment. If you have any left I greatly
wish you would furnish me with about 4 grains — or less
that is if it will not be considered an unreasonable favour
as ~~far~~ rather desirous to exhibit it to my class —

The extra expenses of chemistry are such that Capt Portridge
on the present footing which he stands here that I cannot
say he has shown that literately towards my department

I had hoped for the truth is Capt P has other objects in view
rather than carry the affairs of this academy to that perfection
the public have expected — on Thursday evening he called on
meeting of the Citizens or rather subscribers & informed them
that he purposed leaving the Institution ^{here} next spring but
will continue his duties till that time — he said it could not
be expected he could continue his labours always —

This was a very unlooked for measure by the College of this
place. They certainly would not have put up a Building
to the cost of \$33,000 merely for his experiments of 2 years and
then leave — The Citizens fully thought he would continue
here — his object is now too apparent he wants to get
up an institution in ~~the~~ Harlem and offered to take charge
of it 5 years — and give 7 per cent for the interest of the money
he has now a project to go to Baltimore. The State have
granted a charter and the privilege of giving Diplomas so that
for what I know he may think of taking charge of a new
establishment there. His great object in this is to break
up West Point and he will exert all his power and influence
to accomplish it indirectly

I do not know that you had suspected his designs but you mentioned some things in your last letter to me and in confidence I now give the earliest information on these matters -

as it respects my own prospects I do not feel concerned - I shall continue my duties this summer and if the Institution should be dissolved I shall then return to the practice of Physic.

I should not be surprised if the trustees take some decisive steps as they are greatly dissatisfied with (him) Capro

The present number of students here is hardly 120! a great falling off entirely owing I believe to his management. The instructors have not felt satisfied with his proceedings of late -

I wish you would give me the earliest information if you have the means of knowing the prospect of the Harlem School going into operation -

If he takes the way to injure the system and his own reputation his reputation would be heightened in bringing his school to the highest state of perfection he is I suspect looking for State patronage (Maryland) furnishing a large establishment and placing him at the head of it.

When he goes there he will of course use all his influence to draw students to it. If any thing was calculated to

check the prosperity of West Point his measures are the very means. I do not wish you to mention my name or show

my letter but all the facts you are at liberty to use as you please when I have leisure. I will give you more particulars

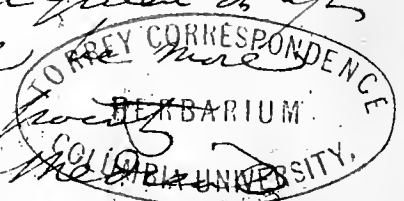
hitherto my greatest attention has been directed to ~~the~~ the practice of Physic and I expect to follow it eventually. It may under existing circumstances be policy in me to exert myself a little this summer even if I should find it requisite to relinquish these pursuits.

The professorship at West Point is not likely to under existing circumstances be an object for you or any body else. Have you given it up?

There can be no doubt that your situation in N.Y. will be agreeable in every respect than it would be at W. Point and I sincerely wish you the success in your duties at the college. You have had to be sure a strong opposition setting against you -

If the Trustees here should appoint some one to take charge of this establishment or rather as it is in contemplation to give the government to the professors it yet remains to show what the success of the plan will be when the novelty has passed by. Yours very truly J. Farrar

Dr. Torrey -



See to send as present my letters to Mrs. Torrey

J. Barnard

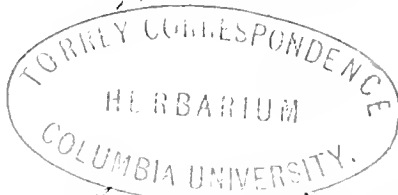
April 22nd 1878

and

Delivered at
Mr. Chittary
24 Park Place

Dr. Torrey
Professor of Chemistry
College New York

Madison May 21 - 1828.



6

My dear Friend

I had the gratification of hearing from you a short time since and had some expectation of being able to visit you. But my visit will be delayed for some time --

I have an opportunity of sending a letter by a Gentleman this morning though I have not time to write down a number of things I had desired to communicate --

A few days since I received a letter from Lederer in which he said he had another package of dried plants for me which he overlooked when he forwarded the former.

The package was from Vienna and a very rare collection of alpine plants. I have not had time to make out a Catalogue but suppose there may be many which are not in your collection and which I shall be happy to supply you with -- Let me know the progress you are making in the arrangement of your Herbarium. I should think you have many duplicates to spare if you knew what was wanting by me do you keep a catalogue of your plants.

If Mr. Baron leaves a parcel at Chittons will you desire him to have it forwarded by the Steam Boat.

Lederer wrote me he should like to see my Crystal of Serpentine as it was a rare mineral. I should be happy to show him the same --

You will do me a great favour by giving me the references to all that you have read and know respecting Serpentine Crystals --

I am anxious to see ~~the~~ that has been said upon the subject
but shall have to wait till Blewlands new work comes out
in order to see what he has collected on this subject I signed
Blewlands my remarks which he will most probably publish
if he does not I shall my wish is to collect the most
important facts and state them in connection with my facts
relating to serpentine. -

In my last I made remarks respecting this Institution I have now
to add that a new arrangement has been effected by the Trustees
to go into operation after August when Capt P's superintendence
will cease and ~~several~~ several new professors will be appointed
the remarks I now make ~~are~~ I wish you to say nothing about
there will be a great change here as to Capt P I think he
has acted strangely and may have over-rated his own standing
and popularity & science in this country It yet remains to be
proven what the Magnitude of his Name will do if he should be
disposed to get up a new Institution in the South

I learn that there is nothing likely to go forward at Baltimore as
Capt P supposed and I am informed the same is the case
respecting N.Y.

~~He~~ in mentioning the number of Students here in my former communication
I was not correct the number I cannot now give you ~~but~~ accurately
say when I write 160

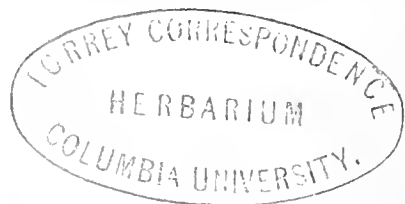
I have considerable confidence in the individuals who will have
the management of this Seminary when the new order of things go into
operation as to the patronage it will receive that remains to be
proven - the moral discipline will be strictly looked into and
enforced - so requisite in all public ~~schools~~ Institutions

write to me when you have leisure

Present my respects to Mrs Torrey

To Dr Torrey

Very Truly Yours
A. Bennett

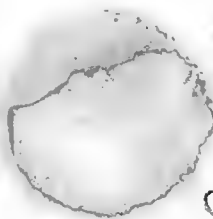


Dr. Barnatt

May 21st 1828

Recd. in my 20th

End



New York

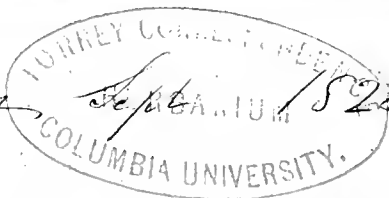
Dr. Loring

In care of
Mr. Chilton
Stemist
34 Park place

Forwarded to Mr. Loring

By the Postage of Letters has witnessed 1828

Middleton



7

Dear Doctor

I was glad to hear from you on your return from Williamstown. I had nothing of sufficient interest to say or I should certainly have written you there. -- about the time you went I received the 40 of the Annals of the Lyceum and was taken by surprise to find so much valuable information on the composition of minerals by Thomson. I am surprised at the sagacity of this chemist. -- I looked at the results with peculiar interest because they throw much light on the atomic proportions of which we have much to learn as yet.

I purpose sending with this letter a prospectus and new regulations of our Academy. You will see from it that a great change has taken place here. Capt P has left here a few days ago. I do not exactly know where he is gone suppose to N.Y. 2 of the former instructors Dunbar & Ransom are going to try to establish a school at Ambury to be called the Orange Institution.

I have every reason to believe that the change that has taken place will finally lead to place this Institution on a better footing. It must stand on its own merits. I wonder what the prospects are as to the success of the Harlem establishment going into operation. Capt P purposes travelling during the winter in the Southern States. Since he has not succeeded while at the head of a school he seems determined to make his views known and for this purpose he intends lecturing in some of the principal cities. He will leave nothing untried to advance his favourite plan - relative to Education. You will see he is a most persevering man. So is it in his way.

The specimens I recd from Kew are of great interest and
value. I purpose submitting them to your inspection, indeed I have
determined to let you have those not in your collection since
you can give things of equal value to me. Perhaps I can
bring or send them to you, when in looking them over you can
~~at once~~ on comparison with your Herbarium, at once take out
or put in such things as may be desired.

Oct 26

This letter has been laid aside for some time but that you are forgotten
but because I was anxious to look over my Herbarium before I write
I have not however had time to do as much with plants as I intended.
I was desirous to have a conversation with you relative to the different
plans of Education - since I know you have reflected on these
matters - The present arrangements at this Institution

I think a great improvement on the Military System
at the head of the Civil department is Mr Wright many years senior
 Tutor at Yale College - The small boys are kept in the
recitation room under the care of an instructor instead of being
in their rooms as heretofore. Immediately after Breakfast and
supper in the dining Hall a chapter in the Bible is read, and Prayers,
Mr Colton & Mr Wright ^{officiate} ~~do this~~ by turns

To Dr Torrey

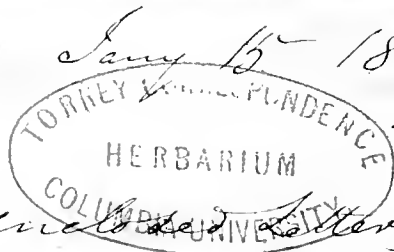
Yours very Truly
J. Davis



Middletown Jan 15 1829

8

My Dear Friend:



You will see by the enclosed letter that I have not forgot your kind attention though I did not think my letter of sufficient moment to trouble you with postage Mr Lyon has kindly offered to convey any thing to my I shall therefore trouble him with letters

This gentleman is a particular acquaintance of Prof Johnson and has passed a few days at Middletown he has travelled extensively as a surveyor was with Gov Cass and can perhaps give you some information of Mineralogy of the West and of the large mass of Native Copper near Lake Superior

He mentioned a plant well known to the miners in the districts where the ore of lead is found which serves to indicate the presence of the ore he has not a specimen and did not know its name from his description I suspect it may be a *Potentilla* and probably the *Potentilla recta* of Nuttall

I showed him all the specimens in my herbarium of this genus - Had not the plant described by Nuttall. If quite convenient perhaps you will be so kind as to show him the plants in question the roots he says are 15 feet long I know of no such plant by the Books - The *Euphorbia speciosa* has remarkable roots I showed him the plant but it is not this

as Mr Lyon may afford you ~~some~~ an opportunity of
obtaining Moneris from Head West perhaps you will
have no objection to introduce him to the Syceum

I have many things to say but have not time to
write this morning, will take another opportunity

I send you an unfinished letter which will serve
to show that I had begun to answer your kind letter
Jan 23

shall be very happy to hear from you when you
find a moment's leisure for writing I cannot visit
N Y at present am desirous to know how
you prosper and the Chemistry proceeds in N Y
I read Dr Bush's reply in the American which was very
severe have just seen the last number of Lillies
find L Beck is anticipating you with the muffs
he is a very industrious fellow fond of appearing in the
journals I want exceedingly to talk with you on
Chemistry as well as other matters exceedingly

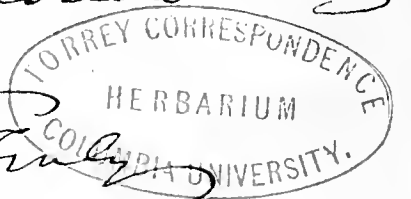
You said nothing of Mrs Torrey your charming wife and your
last hope she is not the less interesting if you are
much taken up with science do present my respects
to her since you know how highly I esteem her

I am Dear Doctor

Very Truly

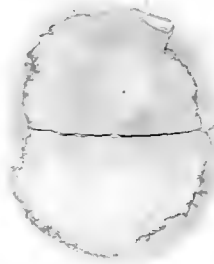
Yours
J Barratt

J Dr Torrey.





Dr. Barnatt.
Sept - 1828 - Aug 15th 1829

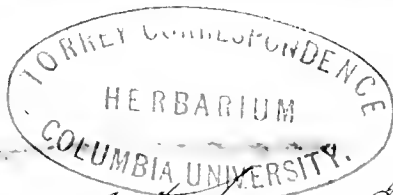


Respectfully
Wm. Lyon

New York

Dr. Torrey.
Professor of Chemistry

17



Middletown Sept 14 1829 9

My Dear Friend

I have not been favoured with any information from you of late. Tho I presume you have heard from me I desired Genl Satwell to call upon you to see your Alga. This Gentleman has at different times collected curious & valuable things and I was anxious to turn his attention to Marine productions -

Mr Finch the Geologist has been staying here a few days and is now at Hartford where he will probably impart some valuable information on Rocks! -

J. M. I had a severe Intermittent when he came here.

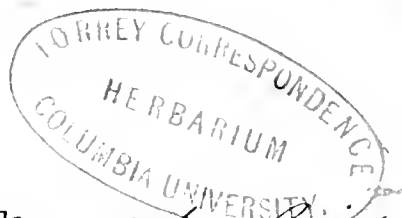
I had some conversation with this said Genl on sundry matters & find him disposed to quarrel with the generally used numbers (I mean the Hydrogen Scale) and a firm advocate for Dalton & would make up 16^{unity} for

You saw the Box Scale by Mr Hedge what do you think of it - if there is anything wrong do inform me

Mr W R Prince wrote to me on the 5 by which it appears he recd a supply of living Plants from the White Mts of N Hamp. I am happy to hear he succeeded -

I also procured a Box of Plants from the same by a Gentleman of this place tho no Botanist who had determined to take a trip & was so kind as collect for me for this purpose. I shewed him my specimens & described the places where they grew particularly the groups and was so fortunate as to procure all of them which are now growing in a garden in Middletown

as I have plenty of dried specimens I can furnish
you with a number of ~~specimens~~ them for your
exchanges -



do write me if you can find a few moments leisure you must
have met with much to interest you since we were last together
Last week I had I have much to say but must try to
see N.Y. this fall if possible - how is your health
and how is Mrs Torrey please to present my respects to her
I saw a few days ago Dr Rogers in this place now professor at
Washington College

The Academic Building formerly the Partridge nest is now
closed - there is some prospect of the Methodist establishing
a college - this is a sad blow to Cap P's system
how do you proceed with your Herbarium is it now completely
arranged - in a short time I will try to send
you some dried specimens of plants 2 or 3 for your particular
examinations I find I shall not have time to look them
up this morning - have you seen Mr Oakes of Ipswich
and did he ever furnish you with a suit of white Mr plants
you had a list of which I should be glad to have a copy
I will also give you a list of such of these plants ~~as are~~
as are now growing I am particularly delighted with the
prospect of cultivating the grapes -

What are you doing at the Lyceum now

Mr Finch spoke in high terms of a Book I have not yet seen
it is Turners Chemistry - is it really a good work has any
Book yet appeared in a cheap form of Tables similar to those
given by Thomson in his first Primitives - pray when
is Cleveland's new Edition of Trappes do you know any

thing about him and his work

To Mr. Torrey

Yours very truly, J. Parrott



I have just received from you
a letter of the 15th inst. in which
you mention that you have
sent me a copy of the
"Journal of the Torrey Herbarium"
which I have just received.
I am very glad to hear
of it and hope it will be
of interest to you.

I have also received from you
a letter of the 15th inst. in which
you mention that you have
sent me a copy of the
"Journal of the Torrey Herbarium"
which I have just received.
I am very glad to hear
of it and hope it will be
of interest to you.

I have also received from you
a letter of the 15th inst. in which
you mention that you have
sent me a copy of the
"Journal of the Torrey Herbarium"
which I have just received.
I am very glad to hear
of it and hope it will be
of interest to you.



Dr Torrey

Prof Chemistry &
Medic College

New York

John left at
W Chittons Chemist
34 Park Place,

and

Sept. 14th 1894

J. Barnatt

Middletown, Jan 13 - 1831.

My Esteemed Friends

The Catalogue of the Professors and Students

of your Med Col came to hand. I was glad to hear from you in this way.

College cannot fail to interest one who takes a deep interest in your welfare -

on my return to this place I mentioned to Dr. ^{Stearns} ~~Stearns~~ a pamphlet a review of Dr. Silliman's

Elements of Chem had been printed in the City of N.Y. he immediately wrote to Dr. Cully of N Haven - as we had not a copy in town yesterday it came to hand - a cold day, but it kept us warm

by its novelty and the excitement occasioned by reading it. Silliman you must be aware is considered in this State

as standing on the Chimborazo of Chemistry! - a little notice some days ago in the N.Y. Courier astonished some of the

knowing ones - a few days ago Horve the Bookseller N Haven and the publisher of Silliman's work was here - I made some

enquiry of him respecting the Pamphlet - I was almost sorry I did as it threw him into a perspiration. The author he

judges to be Featherstonhaugh? the same who tried to get up a scientific journal in opposition to Sill some time

since in N York City - he said he learned the ^{Pamphlet} had been widely circulated, saw a Gentleman from Rochester who had it

said it had been sent ~~round~~ to the Physicians ^{of Chemists everywhere} ~~as he intended~~

These Agard's Synopsis bound - the work has no title page nor generic descriptions!! if yours is complete I must some

time trouble you for the proper title and date of printing the

These a curious old work I will put in your hands at a convenient opportunity it is a scarce work - and may

be of occasional interest in your Med Bot Lectures - this is the Hist Plantarum of L. Fuchs 1542

is chief value in it lies in Greek Latin & French names and the Med properties ascribed to the plants known to Pliny

Dioscorides Galen &c -

Have procured a good supply of stills turnings to burn
in ovens. I selected them in lengths of 15 inches and have
laid them in boxes between sheets of paper - shall
bring on send them to you.

Aug 10th Yesterday Isaac C. W. dropped in to Prof. Silliman
enquired what was going on. The pamphlet and apparatus -
he did not think it could be beaten down. Said the writer seemed
to know a good deal about steam!! Men who ^{knew} anything about it in
N.Y. Kenwick is not free from suspicion. Shepherd told me
the experiments of Beck on Magnetism would be exhibited this course
have some thoughts of visiting Dr. Haven to see the experiments
on Galvanism &c -

Mr Jones who wrote the
sketches in the Merid. &c. has been ^{detained} ~~detained~~, is likely to be
detained in this place. Within a few days I have
seen a Miss Pomeroy from Boston, well acquainted with
Matta W. she says the naturalists inform her he is
enveloped completely in feathers and neglects Botany now.
from her account of him, should suppose he directs his attention
entirely to Birds. Miss P. who is making a visit here is just
returned from Egypt where she carried the seeds of the
Paw Consp. of Matt from Arkansas which grows
well on that Island.

Aug 25

Had intended to have visited Mrs. Loney again previously
leaving N.Y. - The circumstances of my early departure
are however sufficiently known. When through the Medium
of Mr. Railroad - my esteemed friend -

My little daughters, tell her interests are greatly by
their intelligence and very unusual advancement
for their tender years - Have much interest in
the advancement of children and none so deeply
as yours - do present my kind respects to her

Yours very truly & sincerely
Joseph Burrill

July 25

Middletown, Conn

My dear Friend

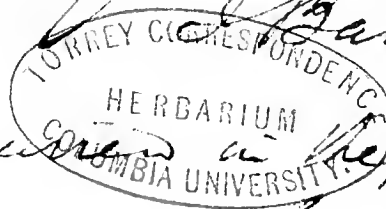
The Inhabitants of this place are much excited by the occurrence of Small pox in this City - some time ago a sailor brought it from N.Y. - and now 8 or 9 cases have appeared.

There is great anxiety manifested by those not vaccinated and no efficacious virus yet certainly taken

I have applications to vaccinate

Will you be so kind my Dear Sir to procure a supply and forward to me as early as possible

Yours very Truly



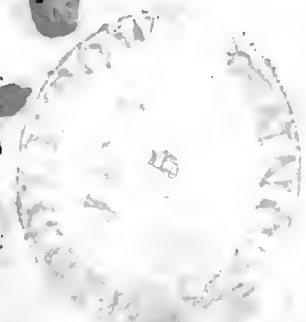
If any extreme should be incurred in the purchase of course I will pay you among the physicians of your acquaintance you may however be able to procure a good supply.

During this cold weather it may be advisable to protect the fluid in quills, glass, or the like, with more than usual care therefore the package enclose for me directed to under cover to Joshua Stowe Esq. Port Menden here with the request he will hand it to me.

P.S. I have before again this letter is that there are some from an examination of the milk for cases. There have been 6 cases of small pox in Middletown - the first case was quite recovered without any deaths. The rest the patients are well and the cases of small pox are very rare.

paid -

John Jay M.D.
Prof. Chemistry -
Med College
N York City -



J. Thorne
Sept. 13th 1881

Middleton March 2 1832

My Dear Friend

Your kind Letter and 2 packages came to hand this morning, you know me well enough to be able to judge with what unfeigned delight your Letters and Scientific productions are always received.

I thought, grateful as I was for your letter you had made one strange omission and therefore I will venture to notice it the first thing — why my Dear Sir did you forget to tell me something about Mrs Torrey and those charming little girls that sang so sweetly to me the day I dined in Company with Mr. Griffin. I want much to see these young ladies again.

The children of my friend the immortal plants which have grown up since our acquaintance will I trust ever be regarded with feelings commensurate with the sincerity and purity of our friendship.

I have looked much at the formation of Character imparted by the Mothers example, Mrs T in my estimation is eminently fitted to train up Daughters in all the force and loveliness of moral, and religious deportment.

I have noted down in my Mem Book at various times a list of things for our conversation as I cannot however visit you at present. I will turn to my Memorandums without further delay and first on the list I find Melumbeum, I visited the locality of this plant last summer Seldens Cove Hadlyme — was then too early for it, obtained shortly afterwards the leaves and roots of the plants but no flowers — It flowers the first week in August, by the 12th it is past flowering — the roots are very singular but like the Nymphaea in the least.

Last summer I completed the arrangement of my herbarium by putting all the additional plants I had received in their respective places — an undertaking that long deferred and was in progress with the

arrangement of my duplicates, I requested by you long ago but was obliged to relinquish the undertaking in consequence of the room I had borrowed for the occasion being required for other purposes - I hope to resume my operations again soon when you ^{may} hope to see some plants, provender &c, - but no hay I was much engaged with the examination of Willows last summer, and purpose to be very active again as soon as they are in flower - so you may expect something from me - I want to see your list of the Willows about the City of N.Y. - and also to see all your specimens - I shall add to this Communication a list of my species -

I found so much to delight me in examining the Willows I wondered I could have so long slighted this interesting genus, now I shall not be content till I have all the species, and ~~procured~~ ^{obtained} and examined all the flowers -

I saw Leavenworth 2 or 3 times last summer, he gave me many exceedingly rare plants collected by himself in the South West - some as yet undescribed he is now in the very place for his researches I have now before me a letter of his partly addressed to Dr. Miner, dated October 28 - 1831 Cantonment Sepul Louisiana more than 1300 miles from St. Louis he says he had the option of going to Cantonment Gypson on the Arkansas but he thought he had seen enough of New Countries for the present - he says he has got a regitable fever for me - I am therefore anxious to see him safe back again with his Botanical treasures he is certainly an enthusiastic traveller, and Botanist - You of course saw the plate of *Tallia pycnanthemoides* in Silliman's Journal I saw the plant and cut off a portion of it there is however a mistake in the plate

The stem is quadrangular and not round as the engraver has given it. How did you like the Satinily, you must have been pleased with its ^{elegance} this however was drawn up by Dr Tully and criticised and polished by the professors before publication or as Dr Menier told me they all of them had a finger in the pie. In saying this I do not wish to detract from the Merits of Leavenworth, he frankly told me Tully Satinized the description -

In the description the Herb is dexterously managed by way of note this reads much better than Herb paint Mountain - this would have been too uncouth.

How do you like the Catalogue of Fair Haven plants?

I have found it very convenient towards completing a Catalogue of the plants of this place. I have already 20 that are not in the list. There are several

marked in that Catalogue about which there must certainly be some mistake ~~perhaps~~ -

I found last fall the agaricus Cretaceus growing with agaricus Campestris has this been found before? in this Country? ^{not} have I seen it noticed any where!

I found a very curious Botrychium, different to any thing I had before seen, purpose to cultivate it before I venture to decide, but unfortunately did not gather specimens intending to take up the roots and was not able to revisit at that time, I marked the place of growth. - It is nearly allied to B fumaroides the leaves much more divided than any I have seen -

Botrychium fumaroides grows near it -

I want to procure all the American Specimen of Actea & Cimicifuga can you furnish me with any specimens of the Southern species?

Dr Tully has named to me the places of growth of the following plants

Valeriana officinalis or Syriatica of Richardson Fair Haven Vermont

Cypripedium arietinum do -

Tupilago palmata

do

They all grow in

a sphagnum* swamp at Fair Haven Vt -

* This is Tully's orthography not mine

owing to my having been obliged to put up my duplicate
plants in the greatest haste and confusion I cannot now
forward you what I much desire, the Duplicates of
my most interesting plants - and which might be of
service to you in your exchanges - as soon as the
weather is warm enough to work with fire in a large room I shall
recommence my arrangements of duplicates - do not despair of me
Present my respects to Mrs Torrey and give my kindest
remembrance to your lovely children

Am very Sincerely
Your Friend
J Barro

To Mr J Torrey



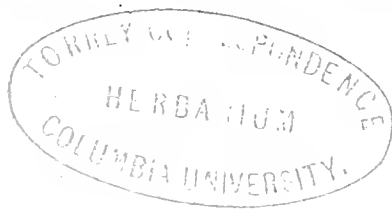
Joseph Barro

March 20th 1832

Rec'd March 24th

Ans'd Apr. 17th

List of Willows growing in Middlebrook born Collected by J. Barnard in 1831 -



- Salix prinoides*
- *discolor*
- *balybonica*
- 4 *falcata*
- 5 *Cordata*
- 6 *var falcata*
- 7 *petiolaris*
- 8 *Vitellina*
- 9 *Nigra*
- 10 *grisea*

- ? { 11 *erivcephala* of Mx
 Conifera of Ph
 Tree 15 feet high

Leaves obovate rugose, tomentose beneath - 15 & 20 high, branches are full of diseased places caused by stings - not unlike galls - leaves much crowded at the extremity of the branches -

Will examine this very closely ^{when} in flower and provide numerous specimens, I have found no good one exactly description - what can it be?

- Populus angulata* Willd
- *balsamifera* Lin
- *grandidentata* Michx
- *tremuloides* Mx

— *monilifera* — This species grows here perfectly you have not noticed this species, you shall have specimens of it

Rumex aquaticus 5 feet high — I have seen specimens of this plant but never saw it growing before I found it here you don't make it large enough in your flora

Carex squarrosa with 3 spikes very common. More plants here have 3 spikes than one - so much so as to be entitled to special notice. The spikes are much larger than the fig in Monograph An Lx NY so that the description p 299 from one inch to 2 in length will apply to the Middlebrook specimens -

Pycnanthemum muticum — This grows in a meadow near the Combe Factory Stoddard Hill Middlebrook in company with 2 other species a cold wet meadow. *Rumex aquaticus* also grows in the same in water or ditches

Pycnanthemum muticum I have watched ^{this} for several years
at first suspected it a hybrid species - and did not determine
it satisfactorily till last summer.

In your Compendium I will refer you to some places it would
appear that the terminations given are not ^{strictly} according to rule

Thus *Pogon* is Masculine in Greek ΠΩΓΩΝ *

Gymnopogon

should be *G. racemosus* page 54 For Comp Edit 1

Polygona racemosa p 52 right !!

for *Epiphagus* p 244 & Index 359 read *Epiphēgus*!

vide Darlington's Cat's 72 the same error carried
through your Genera of N. Am p 1832 and Index p 19

Under *Erigeron* For Comp p 289 & 290

Read ——— 1 bellidifolia ~~us~~ us
2 — us
3 — us
4 — us
5 — as
6 — us



γ for ense is

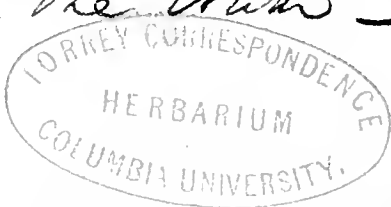
The Book, will be found to agree with you, but *Geron* ^{ΓΕΡΩΝ} an
old man is Masculine notwithstanding and I would therefore
be correct in the next Edition —

after writing this I was fearful I had gone beyond my depth
in Greek, remembering *ov* is neuter I turned to my old grammar
but not satisfying myself I called on Dr. Miner he
furnished me with the following remarks —

* "It is believed that Greek nouns in *ov* and Latin in
um when derived from the Greek *ov* are always neuter
but there are a few Latin nouns especially in
Botanical terms which end in *um* borrowed from
the Greek ων that are of the masculine or whatever
gender the original Greek may be consequently
the general Latin rule that nouns in *um* are
neuter admits of a few exceptions but these
exceptions perhaps always have respects towards
in which the Greek ων is changed into um "

Dr. Miner

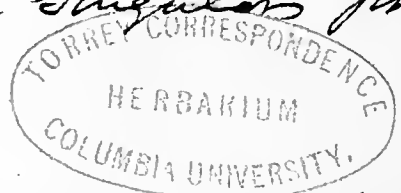
J. M. mentioned to me he heard this same question debated between
Tully & Professor Andrews lately at New Haven - with much
display of research &c. - I have ventured to name this to you
which will be sufficient and among your greening in
the City you will elicit the truth - If you have not already
satisfied yourself



I was somewhat engaged last summer examining the germination
of seeds examined *Orontium aquaticum* or Indian pea
as it is called on the Connecticut, where it is abundant
below Haddam, and Seldens Cove, ^{Headlyme} its large seeds said
to be a favorite food with Indians who formerly resorted to
Seldens Cove for these seeds, and those of *Nelumbium*
The seeds of *Orontium* are partially embedded in a pulpy
spike I conceive to be nearly allied to *Cyamus*.
The peas float when ripe, and are driven about by the wind
I was some time before I ascertained what they could be
I brought home a quantity of these seeds, kept them in
water and observed as they swelled the formation of
Albumen densely round them and then 2 leaves
protruded I have planted them in muddy places
~~near~~ here to see if I can make it grow so high up
this river. I moved *Clas Orontium* with the
Nymphaea and not with the *Endogenea* why force it
here from a distant analogy to *Acorus* in the *Aroidae*
tell me has this arrangement of *Orontium* been tested
or does it rest on semblance or mistaken analogy
all my seeds of it had 2 leaves protruded and not like
the *glumacea* In my Botanical investigations
feel the want of Brooks not having any thing better
than Smith's Grammar & De Coudelle Ther. Pl. Bot. Paris
Ed 2 1819 - ! I looked with eagerness ^{into} your
arrangements but am not satisfied with the location
of this plant - *Sarracenia* stands by itself in
your Classification No 78



Villarsia lacunosa This plant grows abundantly in
Seldens Cove with *Cyanus Nymphaea odorata* &
I had a fine opportunity to examine this plant last season
In Torrey's fl. Vol 1 p 215 in line 5 above Habitus for *Croton*
read *Calyx* & "those Callous spur shaped bodies an inch or
2 in length which are reflected upon the petioles with the
Nature of these I am unacquainted these are aquatic
Bulbs when the leaves and stems decay fall to the
bottom and take root in the mud and become the plants
of the following year These bulbs or spurs are not
unlike what forms on the vine of the Strawberry and
are in fact Aquatic radicles a singular provision
of Nature I have seen no notice of



Seldens Cove Hadlyme where the *Cyanus* grows is an
interesting place for the Botanist, more like a small western
lake, & full of aquatics on enquiry I found that the
Cyanus had been known there from time immemorial old
Col Selden had known it for 50 years - as he informed me
I was, from the Nature of the ground led to suspect it
a resort of Indians ~~in former times~~ and had my conjectures fully
verified - this was in former times a famous
resort of the Indians I suggested the probability that
the Indians had brought the seeds from the South
and thrown them in this Cove to naturalize them as
an article of food - Pursh thought the same of the
locality at Philadelphia - This conjecture of mine
was thought to be the case + indeed Col Selden
having always noticed the plants was not aware
there was any thing peculiar till he had been
apprized so -

+ Col Selden son to whom I mentioned this, said that they frequently
found the remains of Indians and Indian implements and this
spot was known to be a celebrated resort. I name this
to account for the remarkable fact of the *Cyanus* being
found here the only place known in the Eastern State
as far as I have any information -

Galium uniflorum I have a specimen of this plant from Carolina
have you seen it?

Can you inform me the ^{Scientific} name of the plant the leaves
of which line the Chest of Sea from China? I somewhere saw
it stated⁺ that it was not known what plant it ~~was~~ belonged. My reason for
asking is that should it not be known. S. Russell Esq. of this
City lately from Canton, where he has long resided will undertake
with his agents to procure the plant of the Chinese should it
not be ascertained — this gentleman brought a very fine
Collection of Chinese Insects and Shells —

Galium uniflorum I have a specimen of this plant
collected in N Carolina — have you this?

Frasera verticillata Can you furnish me with a specimen
of this plant — In Ohio where it is common they call
it Columbian from the accounts given it must be very
similar in its Med properties ^{to the Asiatic plants} — am expecting to obtain
the roots of it next summer to cultivate —

Cimicifuga I have used the Tincture of this root with
decided advantage as a medicine is it much in use
in N.Y.? The root is scarce in this State have not seen it
growing ^{about} here — though I know how abundant it is in some
parts of the State of N.Y. —

Linnet's Introduction I was gratified to find this work
you have edited with so much credit to yourself
so favourably noticed in the papers — I have not
however seen a copy yet in this place or I
should have been induced to have said something
about it in the papers here I shall yet when the season
of flowers comes take occasion to say something about
it I shall take the first convenient opportunity to procure it —
Dr. Sewall's address did you see the appendix to his
address — delivered about the year 1825 there is an
excellent notice of some of the first Botanists of
this Country I have a copy —

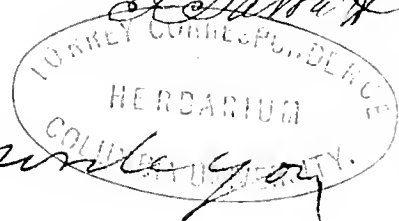
⁺ in an English publication

1832

March 20

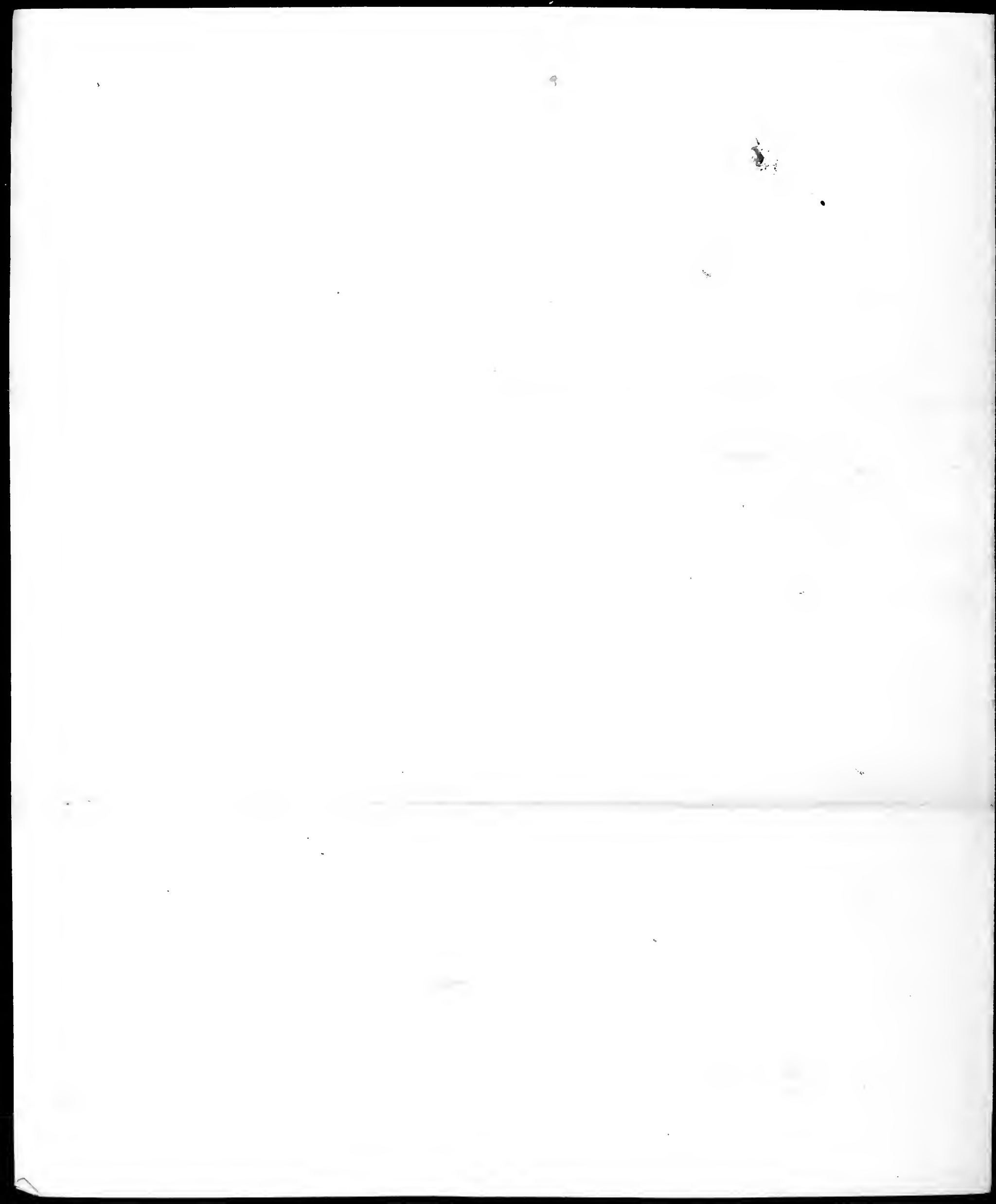
My package was too large for the mail I have waited for an opportunity by appropriate circumstances my kind friend Skiffell Esq will take charge of this package today have not time to block up the plants I have mentioned but will forward them as soon as possible -

In haste
Yours very truly
J. D. Smith



I will take the first opportunity to write you again

In Goodrich's Greek Grammar 5th Edition 1831 p. 15
I find the following rule for the Gender of Greek Nouns
in the third declension. The following are masculine
those ending in $\epsilon\iota\varsigma$ $\eta\varsigma$, $\upsilon\varsigma$ $\nu\chi$ $\omega\varsigma$ ($\omega\tau\omicron\varsigma$ and $\omega\omicron\varsigma$) $\omicron\upsilon\varsigma$, $\eta\varsigma$.
There are 7 exceptions to this rule
 $\phi\omega\varsigma$ light the only exception I find with ω omega.





Albion Feb 8 1893

13

My Dear Friend

Your Letter of the 5th came to hand yesterday
I did not get it till late in the day
I therefore closed the package of Willows at
once having an opportunity through the
very great kindness of my friend W. S. Watkinson
of this City who visits New York

I hope to send you many more things and
even some other Willows before you leave
but should you not receive any thing
more I will write you more particularly
in 2 or 3 days at furthest —

Mr. Watkinson who conveys this Letter will
inform you when to send for the package
in his charge —

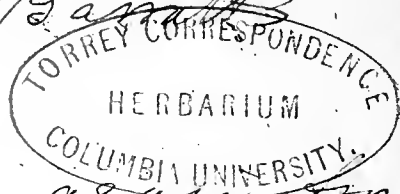
Yours very Truly
J. B. Parry

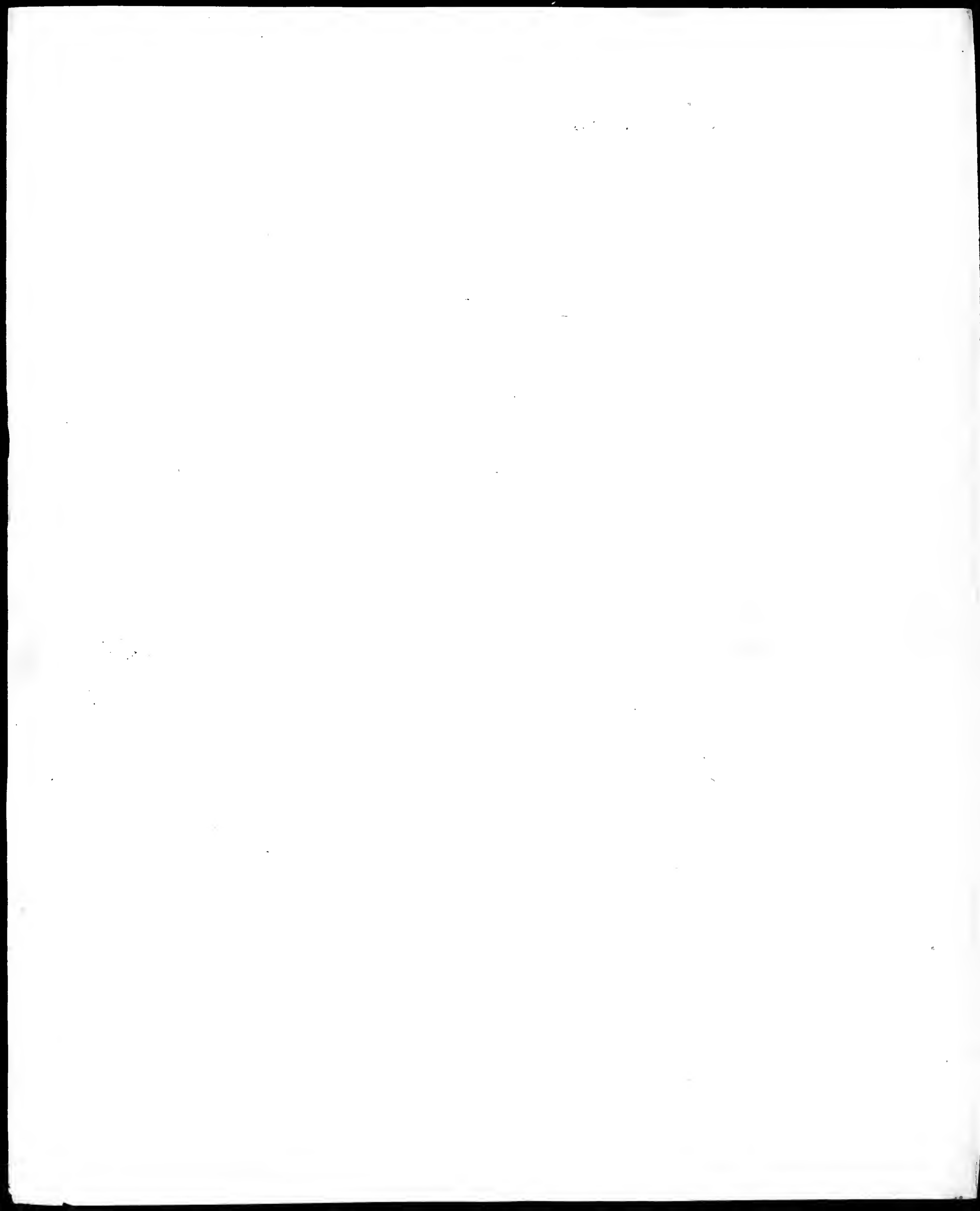
To Dr. Torrey

W. G.

do let me hear again from
you before your ~~departure~~ ^{departure}

I expected to see you before your ~~departure~~ ^{departure}
Europe — if you do not get away by
the 16 let me know





THE HERBARIUM
COLUMBIA UNIVERSITY.

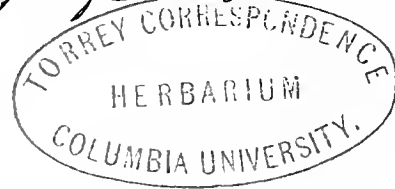
I am exceedingly anxious to see you, and pass 24 hours in
conversations respecting your travels Botanical researches &c
I am fully aware you will want time to see your numerous
N York friends, and rest yourself after your voyage or I should
get on to the first Steam Boat to see you. - soon as I learn
you are at work in your Herbarium give me notice and
I shall be anxious to pay you a visit - and will if nothing prevents me
have been watching, studying, and collecting the Willows at every
opportunity this summer. - a few days since I very
unexpectedly pounced upon a new locality, I have not half explained
yet, with abundance of *S. longifolia* Muhl., it is just
coming in flower, and there is a well defined silky var.
They will probably continue flowering during the month of Sept^r
The locality is near by

I should be glad to have a copy of notes made on the Willows in the
Herbarium of Paris and should you have any new specimens that
would aid me I should like to have them.

Am anxious to know what has become of the package from Dr. Clarke,
did you go to Glasgow? I presume so, perhaps he has delayed
sending his package intending to select the species for you and
myself.

I see by the papers they are making some noise about a grass that
is found to be wonderfully productive in the South. The gamma grass
Tripsacum dactyloides had seeds got from America 2
years ago but they did not grow. It was called gamalote grass
I imagined it was the same as the Tripsacum, the gentleman
who sent the seeds thought it might prove of great value to Georgia
if cultivated there.

I have been collecting within a few days all the Uedysara
and Lepedeza within my reach, the season is very favorable
for them, and for some reason I do not pretend to account
for, they are more abundant and in greater perfection than
I ever saw them before.



Please to present my respects to Mrs Torrey and my kind
remembrance to your Daughters - I am Dear Sir

To Dr Torrey?

Very Truly Yours
Joseph Barroff.

PS Shall be glad to hear from you soon as convenient.

Recd. and. Sept. 29th

Middletown Aug 26 1893

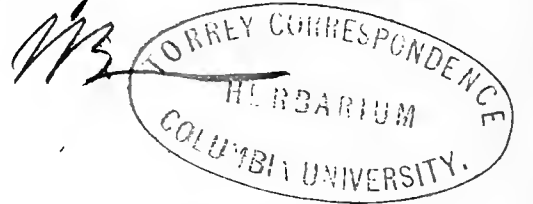
15

My Dear Friend

Having an opportunity of sending to New York
I forward a letter to apprise you I have seen Lieut. Mott
who mentioned ^{purposed} to write me by him but he did not
find the letter in his hat, as you spoke of sending to
me nor have I received it by post. I was glad
when the package of Willows was safe with
greatly I had them! For the last few days have
been troubled with a severe Catarrh and my eyes
trouble me so that I am obliged to keep out of
the sun and dust. In the mean time keeping
within doors I am looking over my specimens
intending to get some in readiness for you -
If I had the package of Willows I should have a
wonderful treat indeed to go to New York to be
rivetted to them for 24 or 48 hours and at last
bring them up here seems not quite the thing.
If you would like to trust ^{them} with me your Directors
shall be complied with. - my health will hardly
permit me in safety to visit NY for a few
days longer though I am very anxious to
talk with you. Will you send me the
package up or let me hear from you as
soon as convenient. Yours in haste
L. B. Torrey. J. B. Barnard

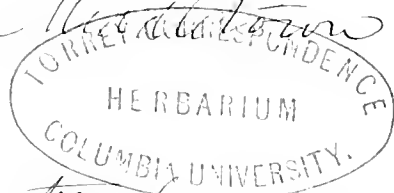
I should enjoy my interview better with when I
have settled my doubts and finished the arrangement
of my willows will bring all your things back
and put a fine suit up for Prof. Hooker
at your disposal and another for your
with notes

have been busy with the Kezessan
and Kesperes and those many fine
Specimens for you and have made notes
for your personal in which I think I
can show you some good things in great haste



16
New York Sep^r 16th 1833.

My Dear Friend



I was extremely gratified to hear from you this morning dated Aug 29th with a post mark Sep^r 14th. I am now so far improved in my health as to resume my active habits and feel as if I must try to visit you the latter part of this week. The information you give me of having forwarded the bundle of Willows by the Schooner Emily delights me not a little, the package is in careful hands though it has not arrived here yet. I am well prepared for undertaking the arrangement of the Willows at this time from your former collections which I have studied attentively & with the sources within my reach I shall be able to get along rapidly. Fortunately there is a spacious empty store just under my office with a large counter shelves &c. this I have occupied several weeks for my plants and here I shall get along admirably with the forthcoming Bundle.

Since I wrote you last, have found a locality but 3 miles from this City with abundance of *Salix tristis*! and *Muhlenbergiana* & of these I have not yet seen the flowers! so I shall be sure of them next Spring having ^{secured} a full supply of fine specimens with leaves. I find the *Liatris squarrosa* and abundance of *Monotropa lanuginosa* which by the way is a very variable plant. I have also 2 fine specimens (collected now) of a *monotropa* of an orange red with yellow

Darlington's Cat is the only book in which I find mention made of the red colored Montropa
as yet I am not fully satisfied that this is a distinct species. The red species has
a brown stem and the brown spec. I suspect is angular or triangular as Montropa has
petals the plant is very fragrant.

There is one character in the Montropa. Lyp? that is constant viz
the terminal seed vessel is 5 celled and all the rest
constantly 4 celled. The Pyrolacea have 2 stamens for each
cell and this I find constant having examined numerous
one seed vessels.

I find here a beautiful white *Neronea* it may be
an accidental variety, however I will cultivate it
and watch it.

I am getting along with the study of the Fungi having become
quite fond of ~~the~~ this tribe & some I have owned London
I find I can do much, and through your kindness I
have Vol 1 of Fries's *Mycologicum*. The edible
mushrooms are more plentiful this season and
in higher perfection than I have seen them before
in this country.

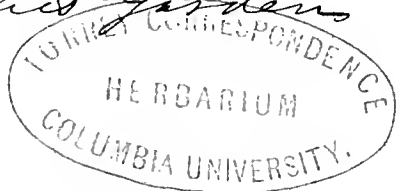
If you should have a duplicate of *Montropa procera*
strobilifera of Vahl do lay it aside for me, I have
a dried spec of it showing the seed vessels in
great perfection, but have none with the
flowers.

Of the *Montropas* with the ripe
seed vessels have put aside some specimens
for you to examine them thoroughly at your leisure
next season, I purpose to watch them in all their
stages -

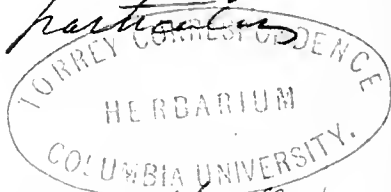
Yours Truly Joseph Barratt

To Dr Loney

I have heard it intimated Dr. Back has some thoughts of resuming practice again in the City, having in some measure reopened his wife's fortune, do you hear any thing respecting it? judging from my knowledge of him I should suppose he would like. What the management of the Yale University! If I had travelled up the North River this summer I should have gone to see his gardens on which he has been lavish with money.



I have put up a package of plants for Dr. Billberg of Stockholm ^{in return} for those I received; my package is six times as large; you may perhaps choose to open it. Since it has been delayed so long, will bring it and let it coast under your auspices. I have also a package of dried plants for you in readiness against I come. If you see Mr. Cooper please to let him know that I have a collection of Florida snakes 20 or more in 4 bottles among them 3 Coon whip snakes and sundry curious things which these be valuable to him, if so I would be glad to let him have them in exchange for anything. If you desire them ^{for yourself} let me know and I will bring them with me. or if Mr. Cooper desires them he can apprise me without delay. I have not his address or I might have written him myself. Perhaps you can let him know without particular inconvenience.



Through the politeness of Mr. E. K. Hubbard shall forward this last letter. In haste yours
J.B.

Lieut Mather has given a Tourmaline to convey to you it is from Haddam
I have your copy of Hookers Flora which will be particularly useful
in the examination of New Willows, and by this I have corrected Smith's
Her Brit.



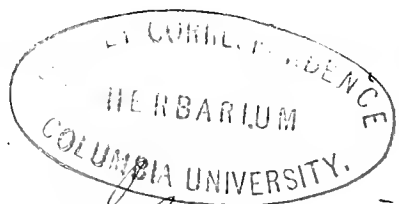
Conrad Weiser B
No 289 St Paul Street



New York

St Paul Street

Dr J. L. L.



Widdletown, Feb 5th 1834.

17

My Dear Friend

I received a pamphlet from you some time

since this being the only communication from you that has come to hand since I left your hospitable mansion.

For some time past I have been intending daily to write and having several memoranda before me I will take them up in the order they occur.

5th Did you read that interesting account of the life and correspondence of Linnaeus Edinb Rev No CXV p 39? The account of the Ruins of Palenque I named having read of this was in the evening post October 17 1833 No 9722 the same article I was informed appeared shortly afterwards in the Albion this article I preserved and should you desire to send I will hand it over to you when I next visit you.

On my return from NY I went to work actively on the Willows and made some further discoveries these I will not now trouble with it being my intention when you get through your course of Chemistry to visit NY and bring your Willows to me. I am desirous to know if your Books &c

You were expecting from Paris have arrived and I am further desirous to be informed of the notes made by you in Paris in examining the Herbarium of Michaux will throw any light on the Willows there being but five described by Michaux.

If I could once see these specimens I could tell in a moment all about them and I imagine shall be able to impart something new respecting them -

Perhaps you may remember a person calling upon you to enquire
after fieldspar that I saw in your office for the making of
Prüfstein. When I returned to Middletown I find the
man had arrived before me and had examined the material
in situ. He assured me he found the Feldspar purer
and more abundant than any he had met with. His remarks
were true he had found it all and more than I had
represented to him. Last fall he offered for the article
\$5 a pound to the river side or \$7 delivered in New York.
They are now getting it by contract the price agreed upon.
I have not been informed. This being an important fact
in the arts I deem it worth making known to you.

Blond for some time I have been desirous to know the best means
of analysis. I was aided by an excellent paper in Lillman's
Journal No 48 p 384. The use of Black oxide of
Copper was there new to me, and the air pump experiments
want to obtain further information. Not having any thing
within my reach that goes quite as far but the
original paper have not been have you it that
I can see sometime?

You may remember we had some talk about the difference
between solar and terrestrial heat. Have you turned to that
curious article to found in Lillman's Journal No 48 p 383

Gluten and Album. I have found nothing very satisfactory
respecting the former. Of the latter I have collected a number
of curious facts in a paper I have drawn up and should
like to submit it to your perusal sometime.

1834 Jan 18th

This day I met with that rare and beautiful
fern the Hydroglossum palmatum for the first time growing,
~~though~~ through your kindness. I have long been familiar with
the specimen. The locality is about 5 miles North
of the City of Middletown in a pine wood. The directions
to find this locality would be as follows -

5 miles from the City on the Hartford turnpike and in the
woods one mile west from the road where it may be
found in great abundance. This very beautiful
and delicate fern had retained its verdure so that
I was enabled to procure a very large supply of good specimens.
It grows from 3 to 5 feet in height twining among the
shrubs but not with the regularity of a Convolvulus -
and apparently both ways, at least such is the case with the
examples before me. It has about 10 pairs of leaves

extending about 2 1/2 feet, and ^{about} the same length ~~at~~ bears
at its termination. The fructification -

The stipe is exceedingly strong though ~~small~~ slender, so much
so as to be broken with some difficulty, and will even wound
the fingers when you attempt as I did to pull much of it at a time.
I found it best to take a knife and cut it -

The soil where it abounds is a damp rich black soil
bordering on a swamp. Sometimes several of the

stems twist together for support. Its size
of the Convolvulus arvensis of Europe.

Root creeping horizontally, slender - March 19 I took up a
number of the plants & found it had withstood the winter having
retained all its verdure. I even gathered many excellent specimens!
Yours truly W. Barrett

SPONDENCE
RIUM
IVERSITY.

HERBARIUM
COLUMBIA UNIVERSITY.

Howe 1834





March 29 - 1894

18

My Dear Friend

It always gives me great pleasure to hear from you: if I receive but a line I feel gratified by such a token of remembrance but yours of the 24th has given me a number of interesting particulars. You will see by what I have previously written that I have not been quite frozen up this winter though I have done but little with Botany till within a few days, though I worked hard last fall after my return from New York. I this day sent you a newspaper by the post containing the obituary notice I wrote of the late estimable W. Schweinartz. I felt deeply on seeing his death announced and immediately wrote a hasty article for one of the papers. My only reason for not sending you a paper immediately was that I thought my tribute for so distinguished a man too feeble for the occasion. and never present the article would meet your eye, ^{as it is} finding however from your letter that you had seen it. I at once sent a paper on to you - It was my intention to write you particularly about W. S. but as you have kindly undertaken his Biography it will (I doubt not) be some relief to his friends by your undertaking the mournful task, indeed I know of no one so competent to do his memory and scientific attainments justice. You have besides had the benefit of a long correspondence with him, and will henceforth look over his letters with a melancholy pleasure. In looking over the Herbarium of Prof. Hooker, I mean the willows in his arranged collection, I find many from

Mr S and was particularly gratified to find there three fine
specimens of Pursh's Salix recurvata no 5. till I saw these
in the herbarium I had some doubts respecting the sp, the male
flowers are wanting! I had fully intended writing
to Mr S. to obtain some further information respecting
his plants but death has closed his earthly career and
now he has joined the angelic throng before the throne
of God where they hunger and thirst no more -
What a difference between the death of a sincere christian
and the infidel philosopher you must well recollect
that fine passage by Sir H Davy ^{in his} ~~last days of philosophy~~ ^{Salmonia}
speaking of the Consolations of Religion "that makes life a
discipline of goodness - creates new hopes when all earthly
hopes vanish" &c - when I had written so far, I opened
my Bible to examine anew the consolation it affords to the
believer "They shall hunger no more neither thirst any
more: neither shall the sun light on them nor any heat,
for the Lamb of God which is in the middle of the throne shall
feed them, and shall lead them to unto living fountains
of waters."

Burien has written some admirable Eulogiums so far as
philosophy goes: but no further. Open he was with all his
mighty powers a whole hunger like the Consolations of Religion:
I hope it may prove I am here mistaken but I have seen:
nothing to the contrary: having references at hand
to several. I have read with much delight especially
I would direct your attention to them at your leisure
provided you have not read them. It was in
Walsh's paper the National Gazette I read them
Memoir of Richard no 1546. Corvisart no 1413 (1830)

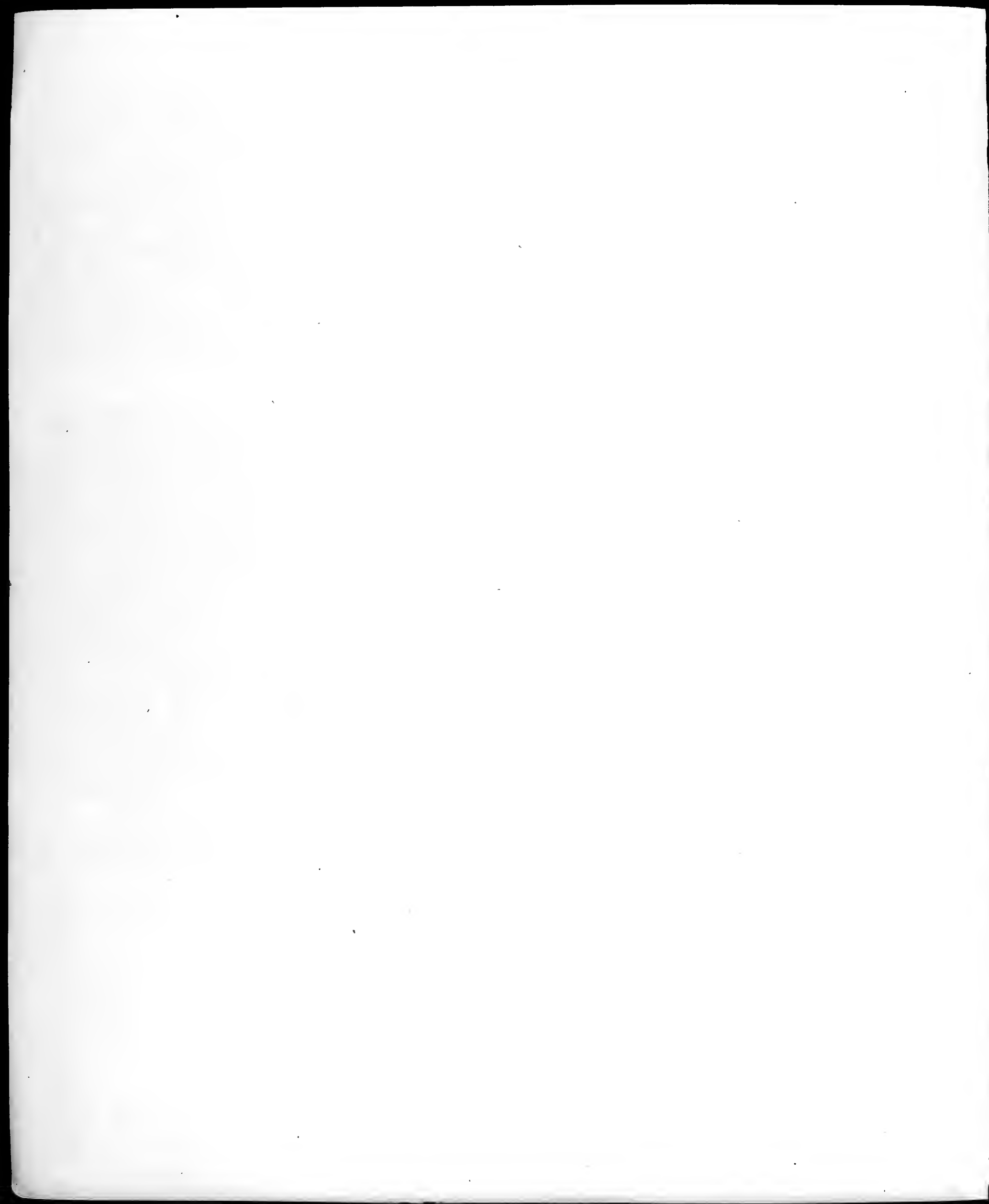
JOSEPH CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

and the Historic close on L. Nicholas Vauquelin
Nat. Ez. No 1981 (1833). in this Cart he has given some fine
bouquets of genius. In a Botanical review lately
read in the N. Amer. Rev. No 82 p 41 I was pleased with
an extract from Currier but know not when or what occasion
it was written any farther than its being in praise of
Botany when he said "that in the Sciences of observation
botany created an epoch as important as the
Chemistry of Lavoisiers in the Sciences of experiment."

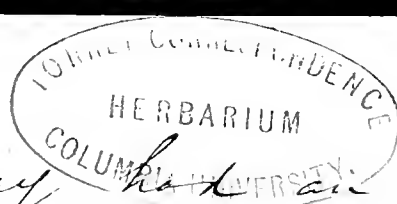
CONFIDENCE
J.M.
ERSH

June 1-1874
If you should be writing soon to Dr Darlington of West Chester
say to him that I found one or two specimens of (the true)
Salix recurvata of Pursh in Hooker's Herbarium sent by him
but his specimens want the Mas Ament this is much
wanted and perhaps he would kindly exert himself to
procure its for you or me There were some other
Willows in his Herbarium without flowers but I was
so fortunate as to find the same growing about here
last fall procured the leaves and shall this spring
look sharp after them myself I think you had better
not delay writing to Dr Darlington about this matter as
if it is only a line at the same time you could
ask him to give a sharp look out for such things
my attention this spring will be directed mostly to the
Willows with glaucous leaves such as *S. ericophylla*
Muhlenbergiana *tristis* *discolor* & I find great
trouble with the earliest specimens are many
varieties and some curious facts in relation to
them having watched them for years and now
knowing all the trees and their exact localities I can
go direct to them and compare their times of flowering
from year to year
Yours Truly J. Barratt.

CONFIDENCE
J.M.
ERSH
HERBARIUM
COLUMBIA UNIVERSITY



1834



18A

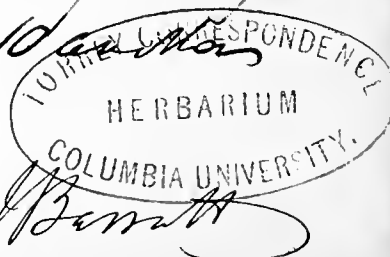
March 31

I have this day had an excellent opportunity of making some measurements of two large trees that have been cut down near this City. The first was a large buttonwood *Platanus occidentalis*. ~~The Circumference~~ at 5 feet from the ground measured 10 feet 1 inch in Circumference, and I counted 116 Concentric Rings from the Center, ~~Measuring~~ ^{beginning at the Center} on one side. The first 20 Concentric Rings measured 3 inches or 6 in Diameter - of the last 20 Rings on the outside, these measured but 2 inches and one tenth or 4 ~~inches~~ and 2 tenths in diameter. ^{increased in 20 years} This was a noble tree, and grew on the banks of Little River at the foot of the Meadow bridge. At a short distance a noble oak had also been cut down, of this I made the following measurements -

Quercus tinctoria. Diameter level with the earth 4 feet $5\frac{1}{2}$ inches at 10 feet high Circumference 10 feet 10 inches. Concentric Rings 88. This tree also grew by the River side.

There is also growing by the Arrowmamet factory⁺ a Swamp White oak that measures 15 feet in Circumference.

a Large tree of the Buttonwood was cut down about 25 years ago and was found this was on the farm of Richard Durfee at Waterford Counts 5 Miles W of New London near Pike Ferry its Diameter measured two ways was 8 feet one way & 10 ~~the other~~ Call its 2nd feet in Circumference.



+ near this City

Lately had the good fortune to get hold of some long extracts
from the last work of DeCandolle's *Physiology* this I met
with in the *Foreign Quarterly Review* No 32 April 1833 American Ed
No 2 In this I met with some excellent things - but these I shall
not attempt to name to you as I suppose you have the work.
The table on the age of Trees p 100 & Dec - interested me greatly.

There does not appear to be any thing there met with satisfactory
respecting American trees. I was lately talking on this subject
with a person of much correct information. He told me he
considered the Hemlock (*Pinus Canadensis*) as the longest lived tree
of the American forest, and furnished me with the following
fact about 40 years ago he said (1834) a large Hemlock was cut
down at Granville Mass when he counted the ~~the~~ rings and from the
number he found the tree must have been fifteen hundred years!!
Some of the ^{concentric} rings he said were so small they were not thicker than
his nail. If these observations then are to be depended upon this
tree is in point of ^{age} ~~possibility~~ will make some approximation to
the Yew of Europe.

I was lately speaking of large trees to Mr E F Johnson an Engineer
formerly Professor of Math & Nat Phil at the Mil Academy here.
He named a Butternut tree on the N Bank of the Mohawk 3 1/2
miles East of Herkimer Village 12 feet in Circumference 6 feet
from the ground, the branches cover an horizontal area of
4300 square feet being 96 feet diameter both ways (that is
at right angles).

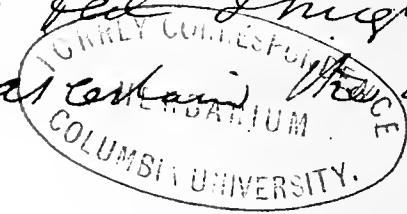
Within 2 1/2 miles West of Herkimer Village is an apple tree
10 feet in Circumference 5 feet from the ground.



In the North Burialground of this City (Middletown) that was laid out
in 1650 there is a Majestic Elm the following measurements
I made Sept 6th 1832 assisted by my friend W^m E F Johnson
The Circumference of this Elm tree is 26 feet at 2 feet from
the ground, and at 10 feet from the ground it measures
17 feet in Circumference. It spreads from N to S
110 feet, from E to W 95 feet. Nothing very certain can
be told respecting the age of this tree. However certain it is
that it was a large tree when the first settlers arrived here.

On further examination I find that there are some enormous
trees of buttonwood mentioned by Michaux one of 40 and another
of 47 feet Circumference. But these trees are of rapid
growth and may in point of age bear some analogy to the
Eastern plane tree. I should not therefore carry the age
of these large trees beyond 800 years. As this for all
I can yet see to the contrary, ^{the Hemlock} may be the largest lived
tree of the American forest.

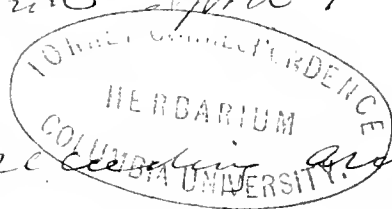
The first year of my travels in America I saw a very
large Hemlock tree about 6 miles west of Cooperstown NY
that measured 18 feet in Circumference. This was a
stately tree but the top was gone and its bore was
appearing of very great age. Had I then felt as much
interest in this particular as I since feel I might have
been induced to cut it down to try to ascertain the age
by counting the concentric rings.



Rec? Apr. 3rd.

~~Collected from 8 to 10 miles from I~~ and Apr. 7th

Restitutions April 1 1834.



19

My Dear Friends

You will see by the preceding notes I have been with you for some time past having this day an opportunity of forwarding my package I am obliged to close my communications at once, without saying here I want to write - I shall be much engaged for about 2 or 3 weeks, and then I shall try to visit you.

I have a number of fine specimens of Hydrocotyle for you and I purpose sending 30 or 40 to Dr. Hooker & the same number of Dr. Greville hoping they may prove acceptable to them, I am sending you at least 100 spec. - and as many more as you may require another season - being a rainy day I shall not forward them now, but if these specimens would be useful for foreign exchanges I will forward them to you before I visit N.Y. If I do not hear from you expect to see them on my next trip.

In a few days, having got to work again on the Willows, I shall perhaps finish the arrangement of Prof. Hooker's large bundle of Willows. In looking these things over I have put my notes among them plentifully - and shall be able to reduce the chaotic mass to considerable system - the Collection rich as it is, and more especially this arranged Herbarium of Prof. Hooker is sadly

deficient of good specimens ^{with flowers} from the Midland States, and these my labours will serve to fill up this Chasm - It is all important where authentic flowers to the leaves, and for this requires great watchfulness as you must be fully aware

It has never been my good fortune to see Mr. Nuttall
if he should return safely I must try to get a sight of him
I have several times crossed his tracks and was near
meeting him on the White Mountains of New Hampshire
in 1824. Mr. Crawford told me she was quite surprised to
see him pack up such a quantity of plants in New
Hampshire. He was a whole day she said - in doing these
but that coarse long legged fellow her husband Crawford
did not happen to see him being absent and to my
surprise expressed great regret I told them who
Mr. Nuttall was and the extent of his travels & the
this made wonder if he was so again they would
be glad to see him. This backwoodsman laughed
at the idea of my enduring fatigue but I gave him
such a walk over the Mountains taking him about
30 miles in one day that he will not soon forget
I tired him out and had to send a horse for
him.

I am glad to hear you have determined to give a course
of Lectures on Botany. It is highly probable
I shall have a class this Spring at the Wesleyan
University. They have expressed to me a wish for
me to take a class. If so I shall be able to
explore the Botany of this District so rich in
plants. for as yet it is but imperfectly explored
so far as relates to the Botany.

To Dr. Torrey.

I am Dear Sir

Yours Very Truly

Joseph Barnard



MS.

I purposed ^{sending} as you must be aware a very fine arranged
set of all my Willows to Dr Hooker, and if I don't
send them early this Spring it will be because I
am anxious to extend my observations and increase
my collections, as well as to mature my observations
by further watchfulness -

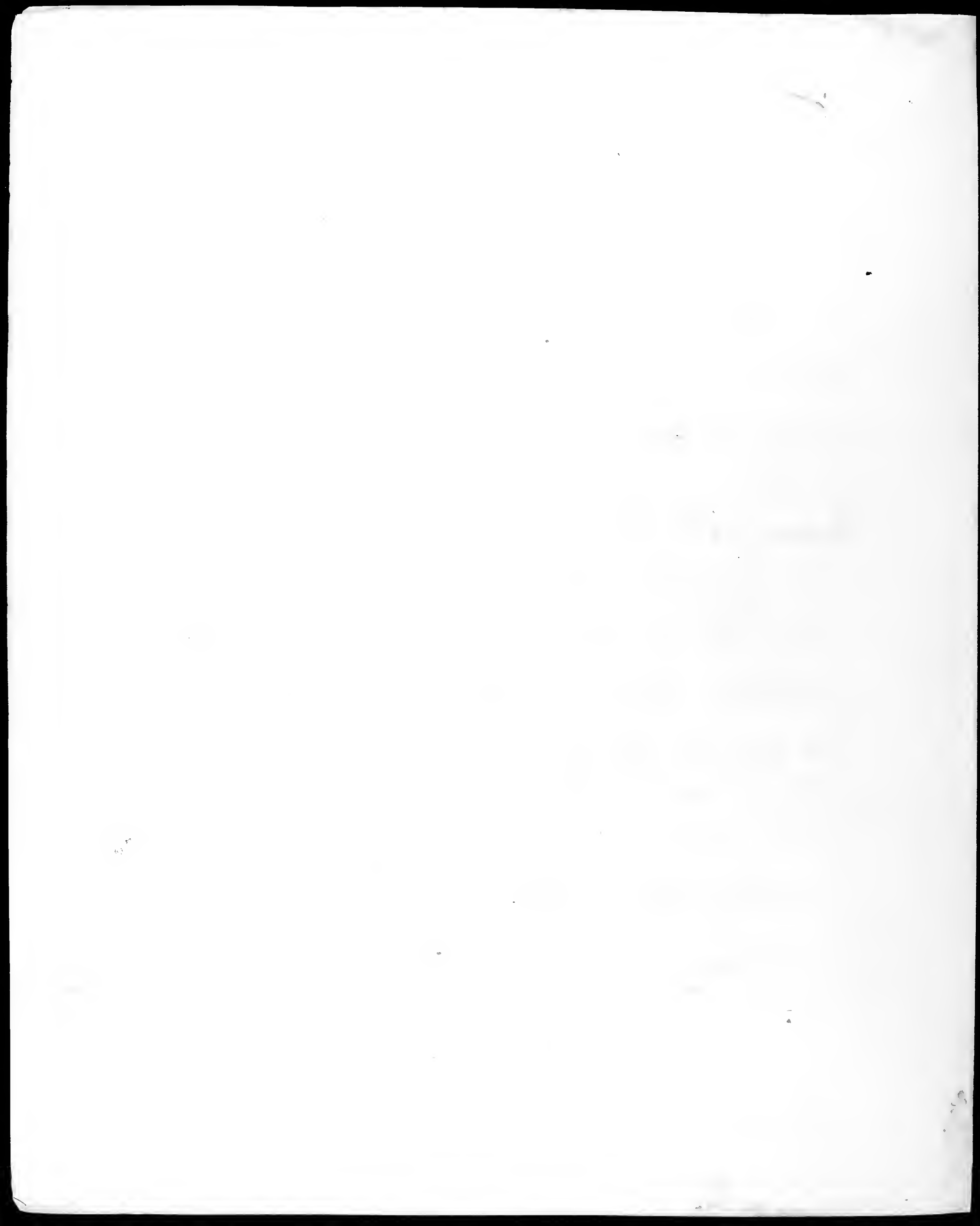
I have many interesting particulars to communicate
relative to ~~these~~ this genus, but it would not be ~~worth~~
my while to enter upon it now, since I will
resume it when I meet you again and that
I hope will be soon. Thank you for your
very kind invitation. It does me good
to visit your hospitable and scientific house.
You said nothing respecting your family,
trust they are all well.

be so kind as present my best respects to Mrs Torrey
and accept very much from yours

J. Barne

To Dr Torrey.





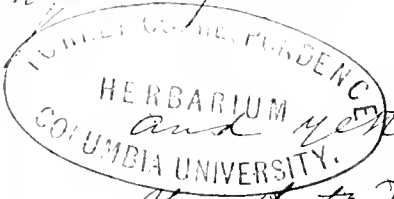
Recd. Sept. 30th

and

Philadelphia Aug 29th 1854.

20

My Dear friend



I received your Letter from Princeton of July 10th and yesterday I had the pleasure of receiving another from you dated Aug 25th as I did not reply to the first of these I will without delay give a history account of myself. In the first place then I find myself too much engaged at present with my practice to be able to leave. I shall however take the first leisure to visit the City and hope to pass a few days with you. a few days ago I heard of your being in Philadelphia but you say nothing about this in your Letter. I wish you could have looked at Muhlenberg's herbarium for the Willows with my optics! by the way I wrote to Dr Tully a short time ago asking him some questions respecting the S. myricoides* and wishing to see a specimen? after some delay he wrote me a long and very candid letter but was not able to furnish me a specimen or any information that I hoped for. I had asked him to refer to the Annals of Botany. I even sent him a specimen of what I consider to be the S. myricoides. I have never seen its growing - there is none of it in all your specimens and I only have it through Dr Hooker. and the same thing is invariably named among his plants!! In the arranged plants of Dr Hooker I mean his herbarium specimens, the Willow is named and from Mr Schumann is the S. tristis in a peculiar state gathered late in autumn, when the leaves are much thickened. and here let me remark that next to the thickening of the leaf the best criterion for judging of specimens at what season they were gathered is the ament buds. this character has aided me much in studying the arctic Willows. - There is a note on the stipules in the book of Serjunge on the Willows that I shall prove to you is incorrect - at least it does not apply to our Willows ^{generally} he denies the stipules being deciduous - I will not however go into particulars at this time -

This very hot summer has been favourable for the development of some fungi I have not found before - on the 23^d of July I made a grand collection and amongst them was delighted to find a quantity of Agaricus muscarius! with the several varieties in colour enumerated by Tris. as well as the var. β squarrosus - the dry weather however that followed after the 23^d entirely put a stop to their further growth -

* of the N Haven Catalogue of Plants -

I am now satisfied that my muscarius only is the form in the West - when and in this respect it agrees well with the European Aganic and differs from the English did Mr Schumann know any thing from experience respecting it? I think of telling Dr Tully of my experiment with them.

I was successful in drying most of these Fungi except the *Ag muscarius* but this the gents entirely at a loss. Seeing I did not meet with success in drying this, I had resolved to preserve some in spirits. I have two ^{others} that ^{are} naturally dried that exhibit the characters pretty well.

This (fungus) *Agaric* grows here as large as figured by Sowerby but has not that fine orange red as shown by his figure which I perfectly remember, and that so strikingly looks like *Agaricus fascicularis* that also grows here. I mean as to colour.

I named my discovery of finding *Ag muscarius* to Dr Tully and called ^{on} Dr Menzies and showed him my specimens he had, I knew been interested by Dr Tully reading to him that extract in Lindley's Botany - Dr Tully has written me to procure some, being very desirous to try some experiments.

I have found more of the *Vilva clandestina*. it is plentiful in 2 localities. The Scape is delicate purple and the Capsules covered with purple dots (or a dull ^{purple} colour) There a good deal to say about the matter but more on this next summer.

When I have seen the same thing in its Spring dress and flowers. I turned to your flora and to the paper of Mr Schweinurth I know what he had said about this *Wittia*. It really grows as Pursh has described it "among rotten wood" "producing its flowers as it were under ground, as they are always covered with rotten wood or leaves". It would seem as if this plant had the power

to live under the dead leaves and branches and at last emerge though late when many other plants would be entirely destroyed and this in particular situation may account for its flowering so late. I found other plants with short petioles to the leaves but these had the dark purple dotted capsules. - The flowers appeared like abortive. I shall collect the seeds and see if they will vegetate, this will be best ^{means} to settle the question. but I shall only be satisfied when I have examined the same location in Spring -

I find the *Lygodium scandens* perfects its fructification late in the season Pursh says July - this not till August. and I suspect much later. ^{that} it continues perfecting its fructification late.

I have a number of remarks to make respecting my observations on plants but I must reserve these till I see you, many of my notes may be serviceable to you. perhaps?

If you see Mr McCrur before I do tell him I have made a collection of the freshwater shells of this river for him as he requested me and shall also present a set of the *Lygodium* when I come if he is in haste for then I will send them at once if desired so to do.

Present my respects to Gray and tell him I have also another *Agaric* like nothing I ever saw before.

TORREY COR
HERB
COLUMBIA U

I was lately reading the Edinburgh Review when I met with an
article respecting a work of Mrs Somerville and here I found an
excellent explanation of the total eclipse of the light of a candle
before 2 plates of Tourmaline with that apparatus you showed me
obtained at Glasgow. you will find the explanation of this phenomenon
Ed Rev no 119 p 165. If you haven't already seen it, I think you
will be pleased with the perusal

In my Scriptural Reading I have struck to find a reference
to the process of Capellation by the Prophet Jeremiah Ch Vj 29
I am not aware that any notice has been taken of this by any
Chemists but this may be owing either not writing themselves
with reading the Hebrew carefully. In the common version the true
meaning is not given. It should read thus. going back to verse
27 which is "I have set thee for a tower," instead of this it should
read according to Dr Blauprey "I have appointed thee to make
an assay among my people," the word תִּנִּי meaning "one
who examines metals, an assayer." Such an explanation makes
the passage intelligible the Septuagint also from the same reading
since the above was written I have examined several translations of the
Bible in different languages and was much surprised to find in the
German of Luther the following "Ich habe dich zum gesezt
Schmeitzers," that is a smelter. and our English word
Smelts comes from the same source on looking further
I see in a new ~~Book~~ the Cottage Bible the passage is
put right. The Father of Martin Luther was a miner
and perhaps from early studies and a knowledge of metallurgy the son might
perhaps understand the passage referred to.

Sept 29 Your kind letter of the 11th I intended to answer
immediately but ~~delayed~~ ^{delayed} so doing owing to the press of
other affairs. I had hoped to be able to see you before
this but could not get all my things ready but
they are on the way soon on looking over all my
stock of Willows I found I had to dry more leaves to
make my sets complete. Besides having to
gather some *Lydrocladum* &c &c on Saturday
I had a good time and procured some ~~specimens~~
I would say most excellent specimens of this most
beautiful fern. I also brought some roots of the same
I have added another Willow to my list of ~~Willows~~
it is the *Salix fragilis* Linn. I have now gathered here
of species and varieties 32! I have completed also
a new arrangement of the North American Willows
in 7 sections, of groups that work well, and will
greatly facilitate the study of this difficult genus.
The arrangement of Pursh now appears to me
faulty. I am quite anxious to send you Yours Truly
To Prof John Torrey M.D &c
Joseph Pennell

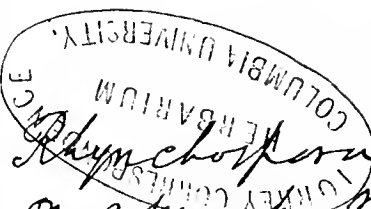
the a in fall) or baritone

RESPONDENCE
ARIUM
IVERSITY.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

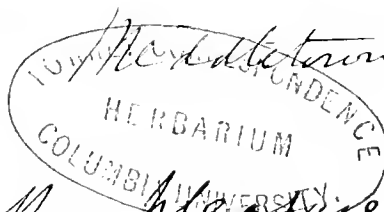
I have been much interested with the study of the Fungi
 and have dried a number quite well. Will it be possible
 for me to get a sight of the drawings of the late Mr Schwend?
 I mean those that Capt Le Conte had copied. If you see him before
 my trip to NY will you name the thing and if it is worth
 while I will bring all my specimens of these precious ^{Botanical} ~~favours~~
 of so few for the study of the Agarics. I have such a
 growing fondness it will be apt to ripen into an agaricomania
 and will soon like the place of the Willows as they have in turn
 the Caries. I often think with pleasure of the times we had
 in feasting over the much lamented Mr Schwend's herbarium. ^{Herb. Sch.}
 I have heard nothing respecting your Eulogium on Mr S—?

John Torrey M D
 30 McDiagonal Street
 New York



Rhynchospora fusca grows abundantly in the highland of New York
 on a swamp near the 61 mile stone post road to Albany NE of the
 Tan Yard of Mr Penny. Several curious things grow there viz
Utricularia gibba, *U. cornuta*, *Sarracenia* etc etc
 I do not at this time recollect the exact spot where I have found it.
 here - a few days ago I collected a quantity of Cyperaceae
 the particularly *Cyperus uncinatus* Ph. I also found *Scirpus*
sub squarrosus growing with it, is this rare? lest it should I
 will go and get more of it and some of the fine grapes that grow
 on my favourite Island of Willows in the River Connecticut.

Rec^d ~~Feb~~ March 9th 1835



Feb 9th 1835

21

My Dear Friend

I had the pleasure of receiving a letter from you

dated Jan 31st mentioning a number of facts of particulars
interested to me and ^{to induce me} sufficient were I not too much
otherwise engaged to visit NY again ~~to look~~ into your
study which has now become a wonderful place for
curious Botanical matters.

At the time your letter
came to hand I was particularly anxious to hear from
you, having been informed by a medical student
from NY that you and Dr Gray had met with a very
serious accident occasioned by the explosion of
some fulminating compound but I could not learn
the particulars. I had my informants said got
into the papers but though I made search I could find
nothing relating to it.

What I saw of your Chemical experiments gave me the
highest satisfaction as regards your skill as an operator
be be but I thought you too daring with some ticklish
materials that Mr Brand at the Royal Institution used
to be very cautious with, indeed I cannot now but
think if his head was duly examined according to the
rules of Spurzheim, it would be found that the
bumps of Cautionness would be tolerably large, and yours
I fear not enough for your safety in all cases -

I was truly gratified to be honoured with a letter from
Dr Hooker the same that passed through your hands
on the 4th inst. By this time I hope the large Collection
of Willows is safe in Glasgow. Dr Hooker has written
me to send cuttings of our Willows to his friend Mr Drake
of Bedford before the Spring, and has instructed me

how to direct the package to any thing that I could do
to oblige your esteemed friend Dr. W. will be done by me
without delay, and the more cheerfully if that be possible
from the handsome manner he has expressed to me
his intention of acknowledging my labours on the Willows
with the names, remarks, &c. I may favour him with
in his *Flora Brasili Americana*. But to open a
correspondence with his illustrious friend will be
more than I had thought of, but I shall as soon
as practicable get all the Willows within my reach, so
as to be able to send a respectable number for the Garden
of his Grace at Woburn Abbey.

When this box is sent I will apprise you by post and must
 trouble you or some of your friends to get it shipped
by the first packets for Liverpool. The near approach
of spring makes me anxious to have these living Willows
on the way without loss of time.

I have already made arrangements with Mr. J. R.
Watkinson of this City to have the box sent to their
store at 23 Cedar Street, James Hubbard upstairs
thence I will get you to have ^{them} put on Ship Board.

I purpose sending at the same time a set of specimens
of dried Willows to Mr. Drake to let him know what
I have sent him, so that your advice to me
last winter was not premature, we may indeed
yet hope to see some of the plants of Willows of
Woburn, or even the "*Salicetum Woburnense*" which
must be a rarity in the Country.

TORREY COLL
HERB
COLUMBIA U

I am not unmindful of what you wrote me about forwarding
2 sets of Willows for France. But you talked of sending by ~~post~~
but I fear I shall not get them ready in time for you.
I have been so much occupied with Med. practice. I have not
done much with Botany this winter. The days being now
larger I am doing all I can to make up for lost time.
Mr. Walkey I learn is diligently at work on the Willows.
I regret he is not nearer at hand that I might often see
him while he is thus engaged with the Drawings &c.

I left unintentionally in your study some specimens
of *Viscum verticillatum*. If you find these pray take
care of them for me till I apply for them. I fear
they are spoiled for want of pressing. It was my
intention to have brought them along with me
when they would have been duly attended to by me.
I wish as soon as you get through your Course of
Chemistry that you would visit the Hospital Library
and take some German Scholar along with you
and get him to copy that long German talk about
the *Salix Caprea* by Wanganheim. You will
find it Chap. XCVI page 123. I copied the plate
with much care but the German being in black
letter, I did not undertake, though if you do not
accomplish this through some German Scholar I must
attempt it myself, on the next visit to the City.
I find it important from the remarks of Wittenberg
accompanying the paper of Mublerberg. I do not care
about having it translated for me. But I want to know
where he says about the *Salix Caprea* and where he found it.
To Dr. J. Torrey. Yours very truly Joseph Bennett

CONFIDENCE
ARIUM
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CONFIDENCE
ARIUM
NIVERSITY.

Dr John Torrey
N Y.

March
Recd. Feb 7



Middletown Feb 23 1835

22

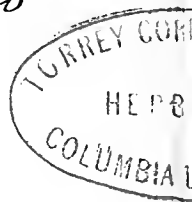
My Dear Friend

I have at length got in readiness to send to England a Box of Cuttings of our Willows, and a set of dried Specimens the former as requested by your estimable friend Mr. Hooker. The seeds to his Grace the Duke of Bedford. I have followed out your advice in sending a set of Specimens these will serve to make known what I have sent. of Cuttings I was so fortunate as to find nearly all, which you must allow is no ordinary achievement in the month of February, to give the names to bundles of Willow twigs, in the leafless state, when, who besides? Could do this with the full grown leaves in the month of September! I also purpose to forward a package of Specimens for Mr. Carey these I hope will be acceptable to him, there are a few others be so kind as say to him I hope in the course of next Summer to be able to furnish to him being desirous to let him have as perfect a Collection as I can make. From these Specimens I trust he will be induced when he makes excursion in the County to turn his attention to the Willows. I should a few years ago have been very much delighted to have found a Collection of Specimens of Willows as complete as the one I now send to Mr. C.

I must beg of you to call at 23 Cedar Street and get the Boxes - (There are two, the small one being only filled with the Dried Specimens. I regret that these things cannot be delayed till Captain Graham sails again, because he would attend to it for me so cheerfully. I hope you or some of your Mercantile Friends will prevail upon the Captain of the Packet to have the Boxes sent soon as possible after the arrival in Liverpool. I think they will be induced to do this, when it is known, that the warm weather will so soon destroy these Green Substances.

I should have told you that I have packed them carefully up in Lophagnum but I have no experience how long a box of such things can be kept shut up. I purpose however by way of experiment to put some in a box and lay them aside for a month and see how they will appearly that time. This will be some guide to me at another time, but I presume there will be no difficulty in the early part of Winter.

I have ventured to write a tolerably long letter to the Duke all about Willows, if he had the same degree of enthusiasm in growing them, I have had in studying and collecting them, he will want to hear further from me. and if he is fond of varieties I can fill his noble Garden with as many varieties



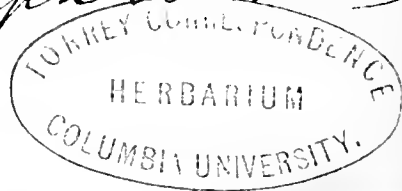
I believe as they can procure in Europe but I have
no means of accurately judging of the numbers
of species growing there. Hooker has cited up to
t 72 but I cannot ascertain how many of
the American willows are there figured.

Feb 25 I have only time to tell you my dear friends
that the 2 Boxes I have spoken of for the Duke of
Bedford will be forwarded this day stage
to Manchester to be in the City by the
Liverpool packets & American Capt Waterman
Mr^s Russell of this City has kindly written to
her brother Augustus Russell who will
superintend this business for me the Boxes
are directed to the care of Messrs George Douglas
& Co NY (22 Broad Street) and Mr Russell
informs me the Messrs Barings of Liverpool
will attend to them at Liverpool so that the
arrangements spoken of in the former part of
this arrangement are done away by this
Codicil to my letter

Yours with sentiments
of the greatest respects

Joseph Barrott

To John Torrey M.D. &c
N.Y.



Dr J Torrey
N York

Recd. Apr. 12.

and Oct. 17th

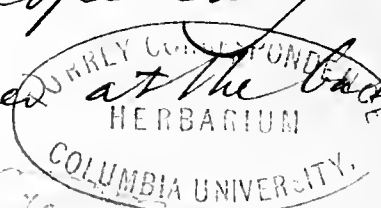


Middleton April 9th 1835.

23

My Dear Friend

In your letter of March 27 (for which I thank you) mention is made of your intention to visit Philadelphia. I thought I could trouble you to look at Muhlenberghs Herbarium and let me know the state of his Specimen of Willows. For this purpose I would have you look over Muhls Cat of Am plants where there is a *Salix Walthamiana*! ^(No 11) do look and see if there is any Specimen of this, and tell me what it looks like. and if possible obtain also of it. But what I am most desirous to satisfy myself about, is the *Salix myricoides*. What I want to know is if it blackens in drying if so, it must be very near to what I have considered as only a var of *Prinoides* - viz var hybrida and for this purpose you had better take on with you the Specimen of *Sprinoides* and the one just named. I find a many varieties of *Sprinoides*, and after all the plant of Muhls may be only a var! - I may note the size of the Stipule and especially the two strange looking glands as figured at the base of the leaf.



Salix myricoides
No 2
make

on the other side I have copied for you the fig. in the Berlin Transactions
the stipule is very small in the figures. White Sprinoids
may be distinguished by the length of their appendage
notice also the thickness of the leaf and also the flueny
if any. You may also take a look at ~~the~~ *S. Conspira*
of Muhl Mss which is *S. Muhlenbergiana* with leaves
but a very different thing to the plant of Wagh
the latter leaf having a strongly serrate margin -

S. Muhl never has -

If there is a copy of the Annals of Botany do look
at it and let me know if the figures cited by Pursh
are merely copied from the Berlin Transactions -

My kind friend Capt Graham you must be aware is
safely returned. he brought a letter from Mr Shepherd
of the Liverpool Botanic Garden. who was much
delighted with the things I sent him -

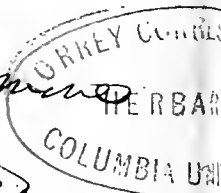
I desired him to send me a number of living Willows
there he obtained he says in London of a friend
^{but does not say who -}
There are several things he will want and these
I will give me great pleasure to send him
next winter

Mr Shepherd informs me they had just begun to remove
their plants to a new Garden twice the size
and a mile further back

I purpose taking up and cultivating all the orchids
I can procure with the view of sending them
to Liverpool. will you do the same? I shall bring
on all my specimens ^{of the same orchids} to compare with yours

Herbarium and there may be some that may
prove useful to you -
Yours very truly
J. Barlett

To Prof J Torrey M.D. &c



a few days ago I visited our friend Mr. Walley and found him
getting along very well with the figures.

I have begun a new plantation of willows, and have
set out a number of cuttings of each species to root this season
ready to send to Europe if wanted.

I should like Anderson to have all our willows
and the Garden at Paris also what do you think about
my sending them a box?

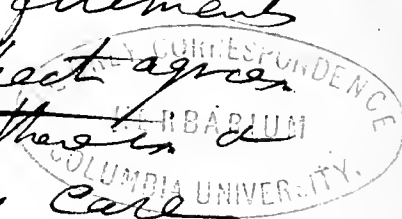
I have commenced taking specimens to complete
a few more sets and rather against my will
but I will strive to finish this business now
to the best of my ability, having now so
many advantages and I can go straight forward

Presenting vouchers to Dr. Gray. I find there
a number of good specimens of *Carex*
longirostris he may want - and there
are some other species I shall look after
for him - in the course of the summer

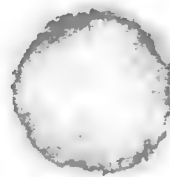
The sets of the Willows I spoke of are
nearly ready but I will wait 2 or 3
weeks before sending them to make some
further additions

The first section *Cinerea*
I shall watch very closely. The curious one
I called var *monadelphica* of *Strutis* may
perhaps be a new species. The bifid filament
is very remarkable, and in this respect agrees
with *S. Bruceana* of Smith of which there is a
specimen among your plants, now in my care.

I B.
I hope to be able to visit you in a few weeks
let me know when you are about to be absent say 3 or
4 weeks hence so that I may not be disappointed.



John Torrey MD
30 McDougal Street
New York



ms
24+

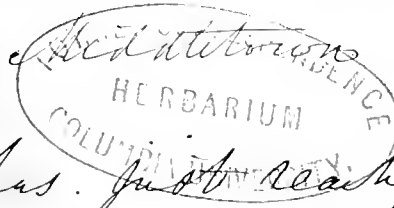
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Recd Oct. 28th

My Dear Friend

And Nov. 11th

Middleton October 26 1835



24

Your letter of the 17th has just reached me -

It is now so long since I last heard from you I feel exceedingly desirous to know what you were doing & have several times resolved to visit the City personally to enquire about you and family. but my engagements have ^{been} such I found it impossible to get away. I have also made several attempts

to visit our excellent friend Thalsey and have as often been thwarted. You will naturally expect I should give you some account of what I have been doing this long summer. This I will attempt in a few words. In the first place I have had a

Class in Botany at the Wesleyan University and am happy to say I have formed some good Botanists, and have

taken especial care to teach them to collect and dry large handsome specimens! I have thus been able

to add considerably to my Catalogue of the Plants of Middleton. I have also made notes some of which may possibly be of use to you. I set my pupils at work

on the Viola and stimulated them by exhibiting my ^{dried} specimens and showing them they might make a pretty full collection.

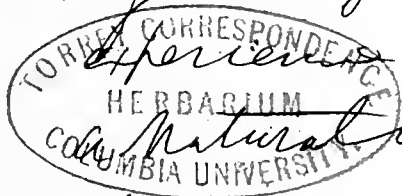
They entered upon the investigation with enthusiasm, and made splendid collections.

I have many spare specimens. The number of species growing here is 17. I was never before satisfied with my dried specimens of the Viola

I think your Herbarium might even be improved from this quarter.

This region proves exceedingly rich in plants. I hope in due time to print a catalogue that will be creditable to the place and myself

Among other matters I need hardly tell you I have been faithfully at work observing, collecting and making notes on the Willows. and have this Summer greatly extended the sphere of my observations and fully tested the excellence, and practical utility of my arrangements into Section &c. which with my additional experience I find I cannot mend. It being perfectly natural one.

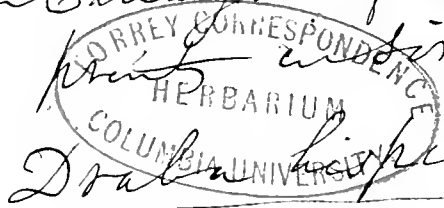


I have kept an eye to the Populus especially the thepermen and Stenens. indeed I now find I never before this Summer fully understood their Manner of flowering &c and think the generic Character as it stands in the Books ought to be illustrated with notes. The species differ in the form of the fruits. and in the number of Stamens - *Populus tremuloides* has from 8 to 10 Stamens white another species *P. angulata* has from 60 to 70 - I have counted them from 55 to 75! Nuttall takes no notice of the number of Stamens in *Loudons Cyc* p 818 ^{no of} the authors there given are 8 - 30 and *Worster Bonts Fl* gives the same number.

As to the time of flowering of plants, when there is any remarkable difference in time, that is where the Books are not correct, I have noted such differences. Thus *Geranium strictum* flowers with us in May and June. and never so late as stated in your flora though this may be the case for north. *Poa aquatica* also flowers here in June. I should think that in several instances the time of flowering has been given solely from plants collected in N Hampshire and Canada instead of New York and the Eastern States on the Atlantic Coast.

It strikes me the *Poa aquatica* would be an excellent grass to cultivate in such places where only useless *Carex* grow. and it ^{would} take their place. I find Horses and Cattle are very fond of this species of *Poa* - has Dr Gray kept a watchful eye on all these matters? It seems to me he ought to make out a popular

little book on the value of the grapes in cultivation, or rather
he would do well to make out a series especially
for Scientific farmers with labels adapted. I have had
several applications for such sets but I would never undertake
it. I felt however much disposed ^{this summer} to make out
a Catalogue of all the Red grapes of middleton with a view
to an industrial agriculture journal.



Draba hispida Milt Caroliniana Walt - Dec Reg veg/353

says "Racemus 4-8 florus" My Specimens gathered on Willow
Island opposite Chatham have 20 flowers! My Specimens
are very fine. You have not to my recollection any thing
so good. The Specimens were in great plenty at this place
I have proved your conjecture the corrects respecting the Viola
clandestina of Pursh. It is nothing more than Viola blanda
as I have at last abundantly proved -

I have on hand, gathered this season, a good number of Asters
and Solidagos. If you have settled these things to your mind
I should like to bring my entire Collection and compare with your
Herbarium. Walsey is quite anxious to take hold of the
Asters but I do not wish to throw them in his way till he has
done with the Willows. I like to favour him with my ^{present} ~~specimens~~
in a few days at farthest, and soon after I purpose
visiting the City of New York.

I have met with great success in cultivating Orchids this
place being rather rich in these things, I shall try to get all I can
with a view to sending to England (alive). I shall be able
to furnish you with some fine Specimens gathered this year.

I have also a number of good Specimens of Carex from Gray
Clavicornis. I got all kinds of, plenty of C. stricta Desvay
and C. squarrosa with 3 spikes (flat pressed) and sundry other
things - for the American Trinii as I would designate yourself
and Dr. G. on appellations you are richly entitled to.

Dr Gray's wonderful Specimen of Fluor spar, reminds me of our
 Mineralogy which is by no means to be despised. I have some
 fine Specimens of Columbite, and Uranium ochre &c
 a short time ago I found some pretty good Specimens of
 Phosphate of Uranium, I also found this Mineral 2 years
 ago. This Summer a Crystal of Columbite was found
 in Middletown (at the Feldspar Mine) weighing 14 pounds!
 It has been broken but still there is one piece that weighs
seven pounds. I have a number of Crystals one nearly
 similar to the figure given by Phillips Min. weighing
 2 ounces, and have another 14 ounces encrusted with
 Uranium ochre.

It is my belief that Gov Winthrop obtained his Columbite
 from Middletown, my reason for this I will give you
 when I see you, and can talk over the whole matter.

Spent the Minerals and Metals of this place were known
 quite early. Much more so than is generally supposed by
 Mineralogists. Even the first Gov Winthrop had Specimens
 and knew the Mineralogy of the White Mts of New Hampshire -
 in 1642, Daryl Field the Discoverer of Freshman greenish
 an account noted in the Journal of Winthrop, which the brief
 is substantially correct from my knowledge of this region
 See Journal Ed 1790 p 247.

The Chrysoberyl of Baddam I learn was first discovered
 by the late Richard Alsop Esq of this City who made it known
 to Col Gibbs ^{who was his} particular friend. This City was formerly
 a great place of resort for literary and Scientific Characters -
 Columbite is rather an abundant Mineral in our rocks
 and from its great weights must have attracted attention early
 The large Specimen of 14 pounds I have broken up was found
 on the outside of the rock, though the fine Specimens are
 generally disclosed by blasting for the Feldspar.

L5

This Fiddoson locality will eventually be a profitable concern
the material is in great quantity, and purity with little admixture
and is easily ^{quarried} a ton may often be got by a single blast -
about 600 tons will be quarried this season.

Among other things I have during the last 2 seasons but principally
this collected all the insects that have fallen in my way.
This I have done with a hope of aiding the progress of Entomology
and of appending a list of insects to my Catalogue of the plants
of Middletown. My collection now fills 14 Boxes -
very much to my surprise. I have rendered Entomology or rather
insect collecting quite popular in this City. Several gentlemen having
made collections, and I expect will next season receive
increased attention, with my pupils, and perhaps the students
generally at the Wesleyan University.

Dr DeKay was here this summer. I showed him some of my insects -
intend to let Mr Walley have what he wants to complete his collection -
and next see Messrs. Helton and your Lyceum NY - such as
are desired, and I have to share -
Dr DeKay lent me 2 numbers of the Boston Journal of Natural
Science History - which I will return to him when I visit
the city.

I thank you for the pleasing information your letter gave me
respecting the growth of my Willows at Woburn Abbey. as
seen by our valuable friend Dr Hooker. But that I should be
honoured with a copy of the *Salicetum Woburnense* from the
Duke of Bedford is what I never expected. I shall regard
it as a great treasure. and in return shall try to enrich
the Willow Garden of the Duke with more of our North American
Willows. which I will send him this winter. But I
have neither seen the Book, nor been notified of its arrival -
I hope it will soon arrive from Dr Hooker, and perhaps it will
be directed to your care. I conjecture so because he is in a

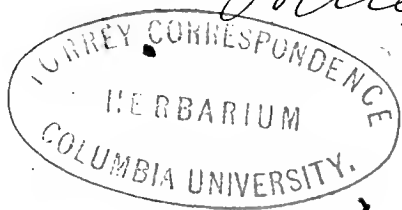
a letter I received from him some time since. Said he
had requested Mr Borers as well as the Duke of Bedford
to prepare sets of willows for me, and they had consented -
so I imagine Dr Hooker will send them all together, or
the Salicetum book with the specimens of Mr Borers, and
perhaps some things for yourself -
Will you however call at the Custom House or public stores -
to be certain it is not there already - this my letter
will be sufficient to authorize you to take it thence.
That is if you will do me this favour - If you find it
may drop me a line by the next mail - don't hesitate
about opening and taking a peep I shall be very thankful
to look second or third hand -

I shall try to visit you ~~before~~ (if I can) before your course
of lectures commences - though I may be detained
longer. Present my best respects to Mrs Fomey and

my love to your daughters - and my regard to Dr Gray

Believe me Yours Sincerely
Joseph Barnard

To John Torrey M.D.
or to



Please to inform Mrs Fomey that I have been several fine pieces of
cloth brought by a missionary from the South Sea Islands. It is the cloth
made by the natives from the bark of the Breadfruit tree and the
paper mulberry & Broussonetia papyrifera -

If you should have occasion ^{to write} to Mrs Schweinitz, do enquire
if she has a spare copy of her late husband's work on Fungi
that appeared in the Phila. Nat. Transactions. I borrowed
Mr Walreys copy - but if Mrs S has any spare copy I
should be glad to purchase one. It would be highly
useful to me - I don't however wish you to write
on purpose

In comparing Mr Schweinitz's work with Fries I have detected a few
errors in the references & have not noticed them in Mr Walreys copy

Oct 26th. I have been waiting for an opportunity of sending this by a
private conveyance as I did not wish to bother you with double
postage and I shall have an opportunity of sending this afternoon
by S. Russell Esq of this City. This gentleman does me the kindness
to forward boxes of Millers Catalogue this Spring - and feels an interest
in the Selection Woburnense. Mr R being a scion of the
Bedford or Russell family of England as I have been informed.

Mr R has kindly offered to look up for me at the Custom House
to ascertain of any things was there for me but I informed
him I had already written to Mr. C. to attend to
this business for me. Yours. L. H. B.



Professor John Torrey M.D.
20 M. Duval Street
New York.



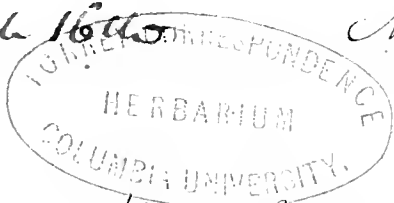
~~Ans~~ Recd. Jan 4. 27th

Ans. D. March 16th

Middletown. Jan 23^d 1836.

23

My Dear Friend



Your letter of the 20th came to hand at a late hour this day, so that I am uncertain of having sufficient time to reply by the mail of this afternoon. (4 pm.)

To your enquiry respecting the Miss lecture, I am sorry to have to tell you I know nothing about them, never having had them, or indeed any of your Miss lectures. I saw a notice a few days ago in the papers, that you were about to give 3 popular lectures! I hope however you will have time to find out to whom the chemical lectures spoken of were lent, and here permit me to advise you hereafter always to make an entry of Books & Miss lent, so that in time of need, you will certainly know where to apply. I constantly do it, or I should at times be much troubled in this way.

I did not forget your request about the Columbite, having called upon the person who prepared the specimens of it, which he had kept hoarded up. He was I found not very ready to part with it except at a high price! In consequence of this, I left the purchase unfinished, intending to write you more particularly about the matter.

If you, or your European friends want several pounds of the Columbite to experiment with, you could not have purer specimens than these.

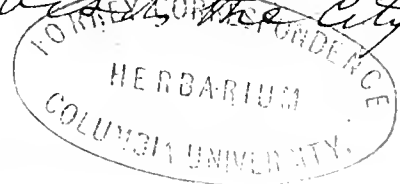
Since my return from New York, have not seen our friend
Halsey. though I purpose soon to make him a visit.
to see what he is about. I am however afraid I shall
find him busy taking figures of my Insects, that were
sent him a short time since. I shall try to give him a start if possible.
On my return here the first thing I had to attend to, was
to get ready all the Willow Cuttings, and plants with roots -
I had examined last Autumn while the leaves were upon them
with the view of making the lists of American Willows as
complete as possible for Woburn Abbey. I had promised the
Duke of Bedford last Spring, to do all I could this winter
that is in sending such species I was not able to procure before.
this I have happily executed, I was the more desirous to do it
from his great liberality towards me in the Copy of his
magnificent "Salicetum Woburnense" &c -

The Willows I have just been thinking of, were sent by the Packet
St James Captain Lebar that sailed on the 20th inst. so I trust
they will arrive in good season (this is a London packet)

I am highly gratified to learn Dr Gray's Introduction to the
Study of Botany, is going forward so well as to be ready
in Spring. I shall take especial care to recommend it to
my pupils, as I have already done. I told you
I believe something about my Class in Botany at the College.
I have indeed several very fine fellows yet remaining there

that are so zealous, as to meet once a week to make themselves better fitted for the Campaign in spring. They consider it a very high treat to meet me and go over my Herbarium, accompanied with remarks and references to the different authors. in this way I can devote more time to them than I was able to do during the summer. They have already read up most of the Introduction and historical matter I have pointed out to them. and they now begin to appreciate the value of the Natural System. There is a prospect of my having a good class in Botany in the spring the first year I shall lead them along with the Linnean Classification, and the 2^d with the Natural System. It is my conviction this will be the easiest and best course, Students want to know a good number of plants before they can be made to comprehend the Natural System. our friend Hooker says that the Classification of *Linnaeus* is the easiest and best guide. and has been tested a century! When an opportunity presents I will forward a package to Mr. Torrey - The Biographical Memoirs I promised him, was copied some time ago. I trust he will be as much interested as I was with the account of William and Samuel Torrey.

If I do not send the artists intended for your Daughters Museum shortly, I may I hope soon to have the great pleasure of presenting them in person. my intention being to visit the City soon after the microscopists.



KEY CORRESPONDENT
Dr. Fisk to kind as to notify me about the other barium
papers he was to superintend in the spring, tell him to order
six reams for me. I should like to know at what time
it will be ready for delivery.

The Rev. Dr. Fisk has given an interesting account
of the London university, and Kings College, and has
in speaking of his attendance on a lecture of Lindley
spoken of your Letter of Introduction! This long epistle
of Dr. Fisks I read in Ms. and I know that it was sent
to New York for publication in the New York Spectator.

I name this that you may if you desire apply for it.
I don't know that the letter spoken of has yet appeared, but
I think it most probable that it has made its

appearance by this time. If the said letter should
be reprinted in one of our papers, I will send you
this document. I have ~~just~~ been informed that another
excellent letter from the Dr. has just been received, dated
at Paris. and has a good deal to say on the Infidel
doctrines of the French, but I have not heard it read,
so my information is only hear say.

This afternoon I have seen the owner of the Columbite
and have agreed to give him \$450 for all he has. There
is about 5 pounds of it. Mostly in pieces and fragments.

The Students at the College were exceedingly desirous to purchase
this Columbite. There is among them several Crystals

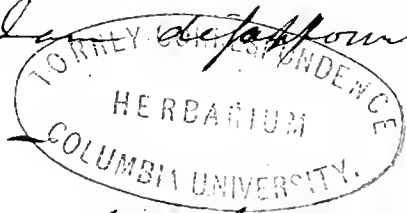
but it is impossible to induce them to sell these
Owing to hinderances, I find I shall not be able to give
you this letter. it being now too late for the mail. So I will
try to finish it on Monday.

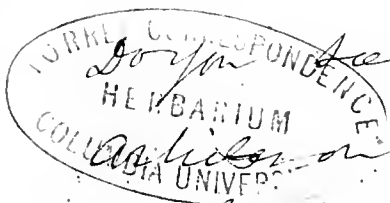
Jan 25th Monday ^{2pm} a Fire broke out in the outskirts of this city on
Saturday Evening. This is rather a rare occurrence, but since
the severe calamity that befell New York you may suppose
how soon every body was on the spot to render assistance -
I got rather nervous on this subject while last in NY from the narrow
escape my books had in the college - Last night we have had a wonderful
hail storm which still continues. Above than a foot of hail has fallen
we had but little snow before. Though I never saw such an icy winter before.
A few days ago I made out a list of Botanical works greatly
wanted for the use of the College Students, Dr Fisk who is at
present in Italy will visit London in Spring, and then I expect will
make the required purchases.

I shall be glad to hear from you in a few days at farthest. If
you are in haste to have the Columbite, let me know.

but as Mr A Russell 103 Prince St is here, I may have
an opportunity to forward it to him. If I am disappointed
I will take the earliest chance I get.

I sent a small box of Insects to Dr Wilkins sometime since
in return for what he kindly furnished to me - and shall
have more for him - when I can bring them -





the Penny, by the way? I am highly satisfied with the
articles on Botany. I suppose they are by Lindley, the article
on Bark is well done ask Dr Gray to read this, has he given
sufficient attention to this matter in his forthcoming book?
In the same work there is a reference to the article Botany!
not yet published, this ~~work~~ will be well written.
I doubt not. In the last Number (I have seen) there is
a Biographical article on Sir Joseph Banks. That will
afford several hints for a lecturer on Botany when
speaking of its advantages ~~and~~ in what manner the great Cultivators
of this Science have become known.
Can you inform me if Baron Von Lederer is now
in this Country and where? I have some thoughts of
making a proposition to furnish Shrub and Live Willows
if wanted for Vienna several years he wanted me to
undertake this for the Arch Duke John of Austria.
but I did not feel as the least disposed to do anything
of the kind, I could now do it with more ease and
would undertake it to a certain extent, provided he
would furnish me with several rare Books I
greatly ~~wish~~ The Baron to for as I have been
concerned in exchanges is truly honourable

Present my best regards to your Children to Mr Torrey
Very Sincerely Yours

J John Torrey M.D.
de de de

Joseph Barnatt



I am ready to make a full report on the *Salicetum Roburum*
but will defer this till I see you. The work is admirably
done. I have made an appendix to it taking the
Synonyms from the English Flora of Sir J. Smith and collating
this with Hooker's British Flora

I have also drawn up "Notes and references" on the
Salicetum Rob to the American Willows. This letter
is intended for you. 31 of the American Willows
are introduced in this work, but several
are not figured in full there being one plate
of which ~~the~~^a leaf only is figured, but these
are of high value.

I have at length I believe unraveled everything
relating to the *Salix Conifera*! and settled the Synonyms
I will form a long note in the monograph - but I will
not trouble with any more of my remarks today but
you will I dare not. I laid my favourite studies
aside though I make very slow progress through
my herbarium in winter. It is in spring I am most
alive to Botany and the charms of Nature -

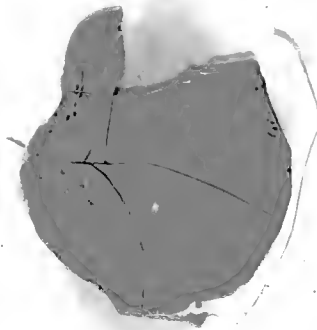
I began some time ago to read White's ^{not} History of Selboorn,
but I make slow headway - Cannot you find somebody
who can do something of the same kind for this Country?
There is a wide field open for anyone who holds a
ready pen, and is possessed of sufficient Science and discrimination.

I did not occur to me till this got so far (the end of the
paper) that I had written so much. I fear that will be
taxing your time and patience to read.

Single Sheet

Professor John Torrey M.D.
30 Mc Dougall Street

New York



Recd. March 26

26
Middlebrook Court March 23rd 1836
TOURNEY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

My Dear Friend

Your favour of the 16th was duly received, it always gives me great satisfaction to hear from you, for your letters carry me forward into all the new discoveries that are making in our charming Science of Botany, give me the explicit intelligence of what is doing in Europe, and at 30 Me Douglass Street, what ~~new~~ books have been newly issued from the press &c and what Scientific works have been added to your Library, and new plants to your Herbarium. That has become so valuable to this Country. ^{to say nothing} of the honour of being the founder and ~~proprietor~~ ^{supervisor} of its ~~proprietor~~ ^{supervisor}. Your letters so far are the best summary of what has been done for several years past, and contain a fund of information that never finds its way into the Am Journal of Science, and we have never as yet been represented by a journal devoted to Botany, which I regret.

I was most agreeably surprised a few days since by taking a letter out of the post office, at the first glance I knew the hand writing to be that of the Duke of Bedford. being a letter from him dated Jan'y 9th. The object of writing me, was to enquire if I had ever received the book "Salicetum Mbuente" he had despatched to me then nearly nine months ago? You may suppose I did not fail immediately to give a handsome reply to my noble Correspondent.

I see by the papers that Capt Selor of the Ship St James had a passage of 17 days, so that I trust my last package has reached Woburn Abbey ^{some} ~~some~~ ^{time} since, the accompanying letters would put all things to rights there, so far as I am concerned.

I have since written a letter to his Grace dated
Jan 16th and my last bears date Mar 6th, and I shall
soon have occasions to trouble him again
having some further dried specimens to send him
four willows not having had time to complete the
arrangement when I despatched the box in the month
of January.

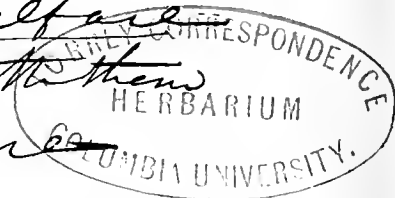
I am very glad to hear that you have a package
of specimens of willows from W. Borner. Can you give
me his address; since I am desirous to write him -
Dr Hooker stated to me sometime ago he would be glad
to receive battings of willows from me, and therefore
I will afford me much pleasure to forward him
all I can next winter. I have now a set of willows
ready for him. but I shall wait a short time before

I send them, and may ^{forward} ~~send~~ them with a package
that will soon be ready for our excellent friend
Dr Hooker, be so kind as mention this to him in
your next letter, lest mine should not reach him
soon at the same tell him he will soon have the proof of my
^{industry and labours}

I am very desirous to visit you again, and shall
therefore take a trip very soon. I have much
to say but must wait till I can have the pleasure
of seeing you. Mr Torrey and your daughters, be so
kind as tell them I have by no means forget the
interest I take in their studies and welfare -
my last visits, and further acquaintance with them
rendered their society peculiarly interesting to me.

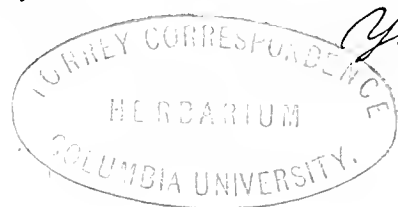
Present my kind respects to Mrs Torrey and your daughters
I am very sincerely and with the
highest regards yours
Joseph Barratto

To John Torrey M.D. &c.



Be so kind as present my respects to Dr Gray and the
Messrs Carey. You need not send the package from
Mr Borner you shoud of till you hear from me again -
I hope to bring it myself if I can possibly get
away as early as I intend.

I began this letter last night and started it this morning
I left a corner to fill up with several matters I
was desirous to name to you, but I find I shall not
have time. but will write you another day -
It gives me much pleasure to enclose such
a valuable Biographical Memoir of your ancestors
and one that you have much reason to be proud of -
In presenting this to Mrs Torrey I had also intended
to have written her freely and confidently on
another topic but I fear to touch upon it now -
and must therefore let it rest till I can have
the high satisfactions of another visit and again
partake of your hospitality and enjoy the pleasure
of your scientific conversations -



Yours Dear Sir
Very Truly
J. Barrell.

Profess John Torrey M.D.
30 W 40th Street
New York

Recd. Sept 27th
Ans. ~ 28th

Middleton Sept 23 1836.

27

My Dear friend

Your kind letter of July 26th was duly received and I had intended to have written you in reply and now wonder how so much time has elapsed without my so doing but I purposed visiting the City but have as yet been prevented. I have been very hard at work this season and want a few days recreation in the City and up the North River. — I have dried many good plants and have a considerable number of Forest trees if your collection for Mirbel is not already completed you may have the picking out of three good sized bundles if you describe it. I will inform me — I have besides studied the genus Solidago and have made and sketched on new paper a very fine set that would delight you not a little! It only wants collating with the Herbarium of Sir Jos Banks — would you like to send it to London? I have a fine duplicate set for you — and will any time loan you mine if you desire it. Last evening I received a letter dated Philadelphia from my friend the Rear Master Cotton of U S Navy informing me of having recommended me as a fit person to go out with the Expedition to the South Sea, as a Botanist, Mineralogist, Geologist &c. and as possessing an extensive acquaintance with Natural History — The Secretary informed Mr C that "if I would like to go the thought he could find me a situation in which my genius and aptitude would be consulted."

"Mr C said the Secretary informed him he wanted a man as a general vocabulists He wants vocabularies embracing concise descriptions extending through most of the strange things enumerated in the expeditions such as Marine plants, Animals, shells and all the wonders of the shore which are to be visited. If you wish for the situation only one thing will be necessary and that mainly for the sake of form you want a letter from some man like Prof Torrey to write to the Secretary speaking of your general attainments and qualifications for the situation. I mention Torrey because he is known to the Secretary. Write me New York says Mr Colton and address to the Care of Leavitt Lord and Co. I shall be there in a few days as my ~~time is short~~ stay there will be short please write at once. If you wish to go there is no time to be lost in making the application to the Secretary I will make it for you if you wish. Many applications are made every day for the situation. but the Secretary engaged to suspend the appointments till he should hear from me again."

From the foregoing it is apparent a letter from you will gain me this desirable appointment. I am personally acquainted with the Commander of the expedition and several of the officers and feel satisfied I should be delighted with the voyage. So far you have ever proved yourself my best friend. if you deem me worthy of a letter to the Secretary of the Navy

The Honble Mahlon Dickerson you will most probably secure this appointment.
To Prof J Torrey M D etc
New York
I am Dear Sir very faithfully
Yours
J Barrett

In the event of your being absent, if Mrs Toney should open
this letter she will confer a favor by forwarding it, or the
substance of it, to the Dr. I purpose being in the City in 2 or
3 days at furthest (D.V.) and shall talk over the whole
matter. I hope Mrs Toney will fully concure with me in the
steps I have before taken.

Will Dr Toney please to address a note to Mr Rev W Cotton
Care of Rep Leavitt Road or meet him if perfectly
convenient and talk with him on the matters I have
been writing about.

I have much to say but am compelled to close
this letter at once to be in time for the mail -
J.B.



P.S. I have named in my letter this day to Mr C.
the attention I have paid to Marine productions and
that I possess a fine collection of Marine algae.
You were so kind as furnish me with many
of the duplicates out of your Herbarium:-

I wish you would write me immediately, if in the
City, I will take the next boat and come and talk over
the matters but do not fail to write at once to the
Secretary -

Mr. John Torrey M.D.
30 McDugan Street
New York

Paid.

Rev. Mr. Tilton
Astor House

Rec'd Oct 17

Ans. Dec. 2nd

Asplenium platyneuron
HERBARIUM
COLUMBIA UNIVERSITY.

October 13th 1836.

My Dear friend Your letter dated Sept 28th and of the 12th inst have been received a few days after the first I had an interview with Mr Colton at Hartford who was to write to the Secretary of the Navy this prevented me coming to NY as I purposed, from my wish to see you and Mr Colton together.

and Mr Cotton together.
To your kind letter of yesterday, I will at once reply.
Though I have nothing of importance to communicate,
not having had any intelligence of my prospects from
the Secretary of the Navy. A few days since I saw
a letter from Mr Dickerson to an officer of the Navy, who
resides here and who has since gone on to Washington
so that on his return (in a few days) I may be able to give
you some news.

I feel as much surprised as yourself that a Plantain
should be named for the expedition that is totally
unknown in the ranks of Science -

At the time of writing you, I had no knowledge that so much had been done by the Lyceum. as regards the individuals named, and recommended by that body - for the expedition. Much less that

Dr Gray was a Candidate! I have several
times been asked to in the course of the summer to
offer myself for the expedition but had declined all
thought of it till of late. As your influence ^{together}

with the Lyceum will secure Dr Gray one of the appointments in Botany. I may, should circumstances brighten, through your recommendations, get another scientific appointment perhaps nominally different from the one before spoken of, for I do not really know what is required of me in that capacity! If I cannot obtain another department it must rest so, provided it proves a good post department or what you please will it -

Q. I wrote a happy note to Dr Gray this summer about the Berlin fabric. Since you had already made, I now can get you the article made here of any quality. But I will bring you samples for inspection. Mine is of excellent quality, and will be pleased with it and now regret I did not set about it the same years ago but I could never induce a fabric maker to undertake it before.

I should have told you that I have looked up and read every thing I could find that has a bearing on the substances used in the Arts & for Manufacturing, especially Materials Medicae, and find much that I did not know. There are some good things in Planchette's Colours and there is a very interesting volume entitled Regulables Substances - viz Materials of Manufacture London 12^{mo} 1833. I am much pleased with it.

You might recommend me for my knowledge of
Marine plants, Lichens and fungi, as well as the
attention I have paid to the mosses and ferns - to say
nothing of Forest trees and Willows -

or Mineralogy and Geology - or Entomology!
 for I am now by long experience an adept in the
 Collection and preservation of Insects -

If I go out as vocabulists ~~as~~ I shall not be the
less active as a Botanist, unless this duty takes
up too much of my time - It appears to me

I can render the Botanists Especial Service
even if not, recognized in that Capacity. —

There may be cases when the corps may be divided
and each will have to do the best he can
Should I go it will be very pleasant to have such
a companion as our friend D Gray is.

I have always had a strong desire to see the
Islands in the Pacific, and have regretted that the
Missionaries Japan solitude science -

This expedition if properly conducted will be the means of providing fine cabinets for the men of science in this country.

It is greatly to be wished that all the plants of the Pacific should be obtained. But many of these will I fear ^{on the return of the expedition} require to be compared with the Herbarium of Sir W. Banks now in the Brit. Museum. The number of species in that famous Collection, amounts to about Twenty five thousand! There are besides many valuable drawings. Do you know any thing respecting

valuable drawings. Do you know any thing respecting the Scientific Books for the expedition? and who has had the ordering or drawing up of the lists of the Works in Poland. This sure is an important consideration. I presume however you have some knowledge of this business, if so do tell me, and if it will be

I was glad to learn from your letter Mr. Dr. Nuttall has returned in safety. I never had the high gratification of seeing him. He is going to make a stay in N.Y. let me know and I will write him. I have a collection of plants from the West Indies that I have been collecting for some time. I shall be glad to send you some of them. I have also a collection of plants from the West Indies that I have been collecting for some time. I shall be glad to send you some of them. I have also a collection of plants from the West Indies that I have been collecting for some time. I shall be glad to send you some of them.

sufficient for the occasion. I am, and ever have been desirous that there should be a good herbarium in this country either with you or our Lyceum (N.Y.) I think the measures so far adopted by the N.Y. Lyceum judicious and calculated to throw a set of these things in the Cabinet but the Philadelphians would take measures to secure the same. a Question might arise unless previously settled upon whom the specimens belong, one perfect set it would be supposed will be required by the Government but the different individuals would be very naturally entitled to the duplicates - otherwise they would be left anxious to further themselves with their preservation as well as collections.

I was glad to learn you had discovered *Lalopendrium vilgatum* in N.Y. some years since I conversed with Mr. J. Geddes about this fern, he told me he was with Pursh at the time he found it, and he exclaimed 'I am better pleased with finding this, than a five dollar bill!' Mr. G. said it was never but not upon his premises - I gave him an English specimen of the plant and desired him to look it up for me but have heard nothing more from him about it. Your locality is not the same. I have now arranged the whole of my *Solidagos* and *Asters* and have gleamed them on my newspapers. Have you received your *Asters* yet from London? - let me know. Have you made any additions to your collection of these things this season? What is the state of Muhlenberg's Herbarium touching these things - and what assistance should we derive in settling them by referring to that collection? if much could be done I would perhaps take my specimens and make a visit to Philadelphia as I had some thoughts of going there this fall. Never having as yet seen that City, on my various travels - I purpose in a few days being in the City, I wish you would see me immediately, on the *Asters*, and *Solidagos*, do you also want specimens of *Ferns*? I name there thing to some worth and desirability and the trouble of bringing them for comparison. I have duplicates of most of them but my Herb specimens are the finest and in which I have made my note - Has the Herbarium of Elliott ever been collated by you. Boice has a few specimens of *Solidago* that he received from Mr. Elliott, and these I had for sometime in my possession - I want very much to say on and put one or two days with you will be quite convenient for me to say on in a few days - To I think Mr. Dr. Nuttall Best respects to Mr. J. & the Misses Torrey.

Yours with the greatest regards Joseph Barratt

I think you will be highly gratified with a sight of my *Solidago* ^{and aster}
 as specimen I never saw a set that was put up to my
 mind before. You may perhaps remember giving me one undetermined
 from "Took King Herbaria" "Licut Alden". This is *S. elata* Pursh No 49
 Ell No 38-p 389. I name this newest I should forget and it
 may save you a little trouble. I have besides - *S. multiradiata* and
S. humilis from the White Mts of New Hampshire - ^{Pursh 47-5} that I collected there
 some years since but lately I never ventured to study
 them, although as this series done. Yours. J.B.
 and with much pleasure.



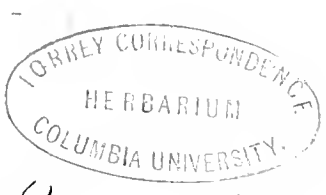
Professor John Torrey M.D.
 30 McDougall Street
 New York

and best
 instructive
 thing

I have said the latter by way of New Haven

This is a quarter sheet of the same dimensions with your Herbarium. I suppose getting 304 reams made the volume 1000 the 1000 the 1000 as the paper should give like any made for your use. This will be an excellent opportunity unless you have already supplied with paper required and you get down supply of paper last summer?

Ans. Dec 15th -



Middletown Dec 9th 1836.

My Dear friend
You enquired of me in your letter of the 3^d respecting Herbarium paper. I therefore send you a sample on which I now write. This paper was made some time ago to my order. It was with much urging I at length induced Mr Warren Coles to undertake the job. I was well satisfied with the material. indeed he made a better paper than I expected for \$6 - though he tells me it was worth \$7 -

Yesterday I visited the paper mill to induce Mr C to make 10 reams for the Lyceum. I found him reluctant to undertake its manufacture. He will however when he receives your order, attend to it. Mr C is again dealing warm, and will ask no more than its worth. and will do it rather to oblige than caring for the job. It being somewhat more profitable to make thinner papers and the "finishing" done by hand they find to be troublesome. He cannot however afford to sell it for less than \$7.50. or perhaps \$8. and will make an excellent paper as he assures me.

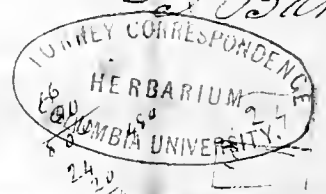
My paper weighed over 50 lbs the ream. I cannot send you a sample of what he purposes to make, but if you feel satisfied with the terms, and my recommendation as above write me or him, and the business will be attended to at once. any delay will prevent its being made this winter.

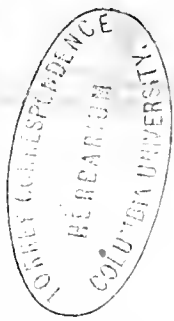
I urged the importance of the firmness of the paper, and how desirable to have it white - He showed me samples to convince me how much the required "finishing" gives the yellowing - To give the paper the greatest firmness he will use Canvas (or Suit Cloth) for the "stock". Owing to the dimensions of the required sheet, Mr Coles said he could not make it of that size. This objection I obviated by proposing it being made in half sheets of 24 by 18. Will this do equally well? I presume it will. The dimensions named by you were 12 inches by 18. You must be fully aware that a sheet of this size, will require to be much thicker than your paper! indeed firmness of texture, and thickness are of more importance in this case than a shade of colour.

I am, Dear friend,
Yours Truly,
J. Torrey

I shall write you again about this or other matters

Yours Truly, J. Torrey





10/12
Professor John Torrey M.D.
30 M'Dugall Street
New York



Single sheet

Recd Jan 13^m
and April 19th.

Middleton Jan 10th 1837.



30

My Dear friend

Your Letter of Decr 15th was duly received when I wrote you I had much to say but was constrained to defer it and now I am not prepared to send you more than 16 or 20 pages so we must talk these matters over when I have the pleasure of again seeing you.

I write to day to ask you if Mr Carey received a letter from ^{me} and some packets of Willows directed to his care? It was believe on the 28th of Decr I wrote him apprising him of what I was to forward. and the same things were sent by the Steam Boat via New Haven. as I have not heard from Mr Carey I trust all is right. One box of live plants and Willows was for

The Duke of Bedford. intended to be sent by Capt Selous. There was another directed to Sir Wm J. Hooker. This was also of Willows for Mr Bonner (live plants & Cuttings) as I did not know Mr Bonner's address and as Sir W wrote me for them I sent them to him direct.

The third package was for Mr Shepherd of the Liverpool Bot Garden. You have doubtless seen Mr Carey since the time I wrote him, if therefore all is right you need take no further trouble about it, but if not

and Mr Carey 90 Pies when I directed these things have not received them, will you send some friend to look them up, before they are injured by detentions. I also took the liberty of desiring Mr Carey to present his bill of expenses to you for payment. There is your head a trifling sum of \$4 50 - as you have remitted me several times

I very much wish to pass a day or two with you, that is
when you have got through the hurry of your Chemistry
so till then you can have no leisure to talk on Botany
and look over Specimens. I named to you that many
Duplicates with which I may be able to make some
arrangements with you that is for such as are
desired by you for the Herbarium and for Mirabilis &c
The best way will be as soon as the season opens
and you are at leisure for me to visit New York
and bring them with me.

By this time I suppose Dr Gray has his orders
and will be soon to take his departure for the S. Sea
Mr Dickerson the Secretary of the Navy wrote me

May 4th - to apprise me of having appointed
Horatio E Hale as Philologist to the expedition
at the recommendation of John Pickering of

Boston. If all goes as purely so, was wanted

I presume the appointment is a good one.
as to my not receiving an appointment this will
be no disappointment, though if I had, in due time
had such a one offered as was suited to my taste

I should have been ready to accept it. I believe!

I found however strong objections raised here by
my friends when I spoke of the bare possibility of

taking such a voyage as a physician. They consider me as
being too useful here ^{as a physician} to leave them! and they
will rejoice that I have not been appointed
indeed you will know that it was not I who first
proposed it - or wound into the business. The expedition has my
best wishes I hope there will be a strong Scientific Corps

Hope our friend Gray will meet with good success - I think
him a very suitable person for the expedition.

Do you know whether the Botanical work was all procured
of which a list was furnished by you.

Did you think to name Miller's Gardener Dictionary

I was lately looking this huge work over and in it

I found there was a great mass of information

concerning the relating to exotical plants with some

of what they will meet with. It is I greatly

believe one of those works that would be

useful to refer to and might be advantageous

in cases where the fullest information is

required respecting their Culture -

Has Mr. Toney read the Rev. Walter Bolton's piece

on the close of the ~~new~~ Year, it appeared in

the last number of the New York Mirror

if not do present my respects and ask when

you give it a perusal. Have you seen

the notice of the arrival of Egyptian antiquities

now exhibiting in London? I have a doubt as to whether

The Morning Chronicle of Nov 7th with many interesting

particulars! I see they still go on making discoveries

in that interesting Country, these things will all

tend to strengthen our reliance in the word of God

and let us not forget the evils of infidelity respecting

the ancient state of Egypt - There are also some

old documents in this Country of high interest to the

antiquarian -

To John Toney M.D.

Very truly yours

Joseph Barratt

COLUMBIA UNIV

12

PAID

Alfred John Henry M.D.
30 West 42nd Street

New York



Recd. Jan. 12 11

and



31
The Herbarium Jan 3. 1838.

Mr. DeGree

In the course of last year I received two letters from you one dated April 1st the other dated Aug 22^d. Ever since the opening of Steam Navigation, I had purposed visiting you. In the meantime every leisure moment was employed in revising and rearranging my Herbarium as well as gluing the specimens on paper. I have now gone through and completed all the most difficult, several. There besides sorted and arranged my large stock of duplicates for exchange - My progress in this business has been very slow owing to the constant interruptions of my Medical practice. During the past year my professional duties have pressed so hard upon me I was unable to do much writing, especially Correspondence - The past 12 months I have perhaps worked harder than at any former period. I feel as if I cannot relinquish the pursuits and pleasures of Science, especially my favourite Botany, while my friends here but keep me more and more into practice. -

All the relaxations I get is a visit to NY once in one or two years! to see and profit by an exchange of plants and enjoy a sight of your rare Books, and the rare things in your rich Herbarium -

I had purposed giving you a sketch of what I had done since I last saw you, but I find I cannot now do it in the compass of a letter - Last evening I called on Dr. Fiske he informed me of your visit to Philadelphia he observed that you had expected to see me last fall in N York -

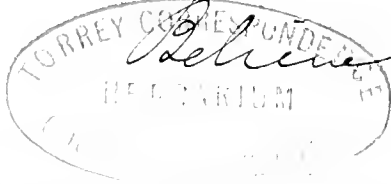
When you have got through the Harrow of your chemical lectures I will make an effort to spend one or at most 2 days with you, provided this be to be perfectly agreeable to you - in that case I will

bringing such parts of my herbarium as I trust you take
 and in which I have devoted the most attention, viz
 my arranged Asters, & Solanaceae - each of these tribes full
 two thick folios. The specimens so far as they have been
 collected by myself, have been selected with the greatest care
 as a whole I do not think a finer set of these has ^{ever} been
 put on paper. and these specimens will I flatter myself
 aid much in drawing up a full account of these difficult tribe.
 I wish to send ^{home} my specimens compared with the herbariums
 of Muhlenberg, Schumacher, Ellik, Nuttall, Benth & Pursh!
 Western ones of great interest. With a view of
 bringing this about, I have on hand at least ten sets
 some may be able to do something -
 If your asters have been returned by Lindley I should like to
 get a sight of them. I took my specimens last
 year of large size and have a set at your command
 in which I preserved the whole plant of several of the
 Asters cut into 3 or 4 parts -

The asters but especially the Solanaceae are here very
 numerous and appear to me to grow in higher perfection
~~than I have~~ more so than in any part of the U.S. -

I have sets collected by my pupils in several sections
 and these do not compare with ours -

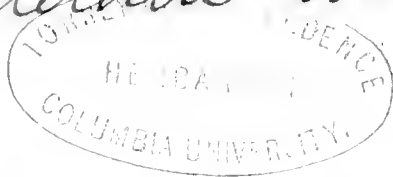
Jan 5. I went this morning to call on the Rev Mr. Byrne lately
 returned from his tour in Europe he will be on his
 way to NY at noon so I will close this letter
 and send by him and finish what I was going to say
 to you another day
 Believe me Truly yours -
 L. B. Torrey M.D. &c.



Torrey's regards to Mr. Torrey and your daughter.

^{mailed}
Recd. Feb 7th 1835

Middletown Feb 25 1835

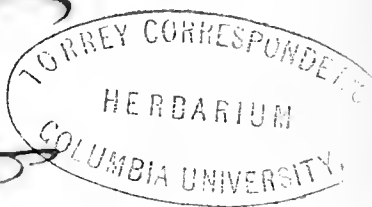


My Dear Friend

I have this day forwarded
a package of dried plants for you -
for this great kindness I am indebted
to E F Johnson Esq who has also
another ^{package} for you that will be left
in the care of Augustus Russell Esq
103 Prime Street -

You will please to send for the
parcel of plants to 103 Grand Street
New York the residence of
Mr Shaler

Yours in haste
J Barlett



John Torrey MD
30 W 4th Street

New York

Re D. Mr. J. M.
and Mr. G.
My Dear friend



Westchester County Nov 3^d 1838

It is now a long time since I had the pleasure
of seeing you, I received your letter of October 25th and the
paper & figure of the beautiful tree that is to commemorate
your name!! I thank you much for this precious
paper

I am just getting ready intending to take the Boat this day for
N.Y. purpose visiting you next week. if nothing
unforeseen occurs. I hope to be at your house

on Tuesday morning. If I am delayed I shall try
to come the following day. I much want to see
G. Gray before he sails - There are several things I want
to direct his attention to but this I can best do after

I have seen you and ascertained how far your
Herbarium and researches made in London and
Paris can aid me in my work

It would have suited me better to delay my visit
to N.Y. two or three weeks later but as I am set
away at this time I will just make a visit to your
house for one day and try to make a second visit
this fall when I have made further progress with
my matters for though I have now sorted all my
plants I shall not have time to make up any
packages at this time either for you or to Europe

There are parts of my Herbarium I shall bring along
with me especially the Asters - and some others
I did intend to bring along my Solitago also
I wish they could go to London and put nicely
side with those of Banks & Humboldt Herbaria.
Perhaps I may bring them, and intend to carry
them out with me unless he takes a set of his own!
I shall not trouble you to day with a long letter being
so soon that I hope to see you and family -

My principal object in writing now is to apprise you
that I had a letter from my Botanical friend and pupil
Mr Buckley now in Alabama informing me that
he sent on a Box of Plants the result of his explorations
and exchanges this year. The Box he says was shipped
at St Louis Mo to New York via New Orleans
They were enclosed in a box directed to Dr Torrey, Care
of Carey & Co no 90 Pine Street N.Y.

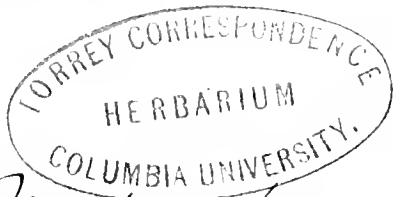
For some remarks in the letter I suppose you also
have a package - and may perhaps have been
apprised by him of the same. If Mr Carey has
information of this shipment, I hope I may be able
to receive it when I am in the city and have the pleasure of
looking over the plants with you.

To Dr Torrey -

Yours very Truly
Joseph Barratt



And. May 28 1839.



34

Middletown Feb. 2^d 1839.

My Dear friend

I received your letter that has been written some time ago, and also \$16 towards the flower and the number of the annual of the Lyceum I want to procure - Will you do me the favor to attend to this matter for me at the Lyceum, as well as correct the statement about the charge. There have been no numbers taken out of the post office, nor any that have been there received by me.

I should have now sent the books back you so kindly forwarded for my inspection but must beg to keep them a few days longer and then I will either bring them myself or send them. - You would do me an especial service if you would send me a transcript of No 9 of Hooker's Flora of the Willows - or if this is too long the page & the the species & references and the whole of the definition of the Genus Cinerea. I have improved upon this, and want to see how Sir Wm^H has given it, not having ^(I fear) a correct copy of what I sent him -

I have been hard at work on the Willows and now have a MS and all infinite orders and can bring some sets along with me to N.Y. as is my intention soon -

I have nearly completed an article fit for you if you want one and the notes on the species Syringna &c together with some tables &c

This Letter will be forwarded by Mr Wolcott Huntington
72 Beaver Street New York who will either deliver it himself
or send it by a confidential person

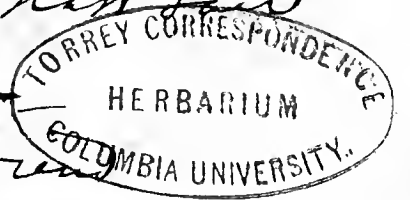
If it should be convenient to send a package to this
Care as above I have received by Mr J Watkinson
who will call on Mr Huntington. See a office and in
2nd or 3rd days after Monday - by the way any package for
me may always be forwarded to for the present
or hereafter by leaving it at Bunkers Mansion
House Broadway where several of my friends
from this City are often there, and will at all times
cheerfully take charge of a small parcel for me
You were so kind as to spare me your Copy of Hooker
Bout of the 1st Edition Can you send this -

I regret you did not send me your aster for
Comparison with my set are they gone to Europe?
or are they going? I want to know because on this
depends ~~whether~~ I bring mine along when I come
and what about the German Solidago -

Again let me enquire if you can procure
me Munblach's Sat or is it likely to be reprinted
are there any sets of Dr Gray's Gram & Synch undisturbed
of? I am very desirous to hear from you and will
you give me line in answer as soon as
possible, or with the book I hope to receive from
you

I have much to say but will write you again
soon perhaps soon as I hear from you If I cannot
see you I will write you

Present my best regards to Mrs Torrey and the Miss Torreys
I want much to see these young ladies - they have
grown & presume a great deal since I last saw
them but have not time to forget me



Very Truly Your friend
J. B. Barratt

To Prof J Torrey M.D. &c

Professor J. Torrey
30 McDougal Street

New York

Platenop
W. Huntington Esq.

and Aug 22

Middletown Conn

Aug 16 1839

My Dear friend.

Your letter of July 8th was duly received and I then regretted you left the city before I had time to request you to send those Your aster, and the Annual of the Lyceum and Hookers Bot. Flora Ed 1st You kindly offered me. The package of Plants was from my friend and pupil Mr W H Potter ^{who is} with Prof Carpenter at Jackson Louisiana. This package contained a very choice collection of plants, that will add much to the value of my Herbarium. I will here thank you for the interesting facts you give me from time to time, and especially about our friend Dr Gray. I heard of your being at Utica some time ago, where Mr Redfield saw you. Supposing you loaded with Plants, and about ready to return I was on the point of addressing you, when yours of Aug 13th reached me this evening. The Books you name shall be sent immediately. ** You ask what I am doing in Botany - This Spring besides the Willows, I examined all the Carices of this region and dried a choice collection of all, in papers 21 inches by 13 1/2! - I have about 50 specimens of each, and of the rarest things 100 or more! - as a whole I will match my set of duplicates ^{copies} against any thing you can show! I kept a copious journal of the flowering of all the Carices, and the time of ripening or rather the maturing of the fruits. When most fit for Specimens besides notes &c and also a balance and notes of the flowering and ripening of fruits &c. The Lat of Middletown is 41° 33' 8" N. Long 72° 30' 33" W. These data will serve to correct many errors in the books and there are very many! - Having occasion to ride much about I constantly take my carriage and a large portfolio and collect through the season a great number of fine and rarest plants - and have the present season enriched my collection by many rare and valuable specimens besides completing sets of Oaks, Maples, Carices, &c Salix Populus &c I have fine sets of Asters, Solidagos, Penanthus Eupatorium. Pedicularis Lobelia &c ^{besides} many of the Compositae - of any on all these, I could ~~show~~ ^{will} if you give me ~~plants~~ ^{plants} ~~of any~~ ^{of any} I need in one month or this fall, furnish sets for your State Botany - I believe I have on hand about thirty thousand duplicates in all! The sets of Willows Asters Penanthus &c you may depend upon. They are all sorted, and can be made ready if wanted ** There are several gentlemen from New York and I will hand the parcel to one of them

* I took particular pains in selecting specimens but out of my collection I can improve a little and have some things among them I do you and some notes that will surprise you

I have paid a good deal of attention to the forest trees, and have examined
the Maple, and have made a noble suit of specimens. I find hard
acer nigrum! besides others - I believe I named to you, that
for some time been at work on a catalogue of the plants of this region,
and while collecting thought I might as well gather some sets, with
a view of sending in exchange to Europe, unless I can do you by
disposing of the surplus to you, - on this I will say you -
Our region is so convenient for collecting, I may perhaps be induced
to make some further collections this fall among the asters, and
Solidagos of which I may have ^{on hand} about 20 specimens of most of
the species occurring here - Write me immediately and
tell me what you most need, and when you want the specimens
Perhaps among your rare things from the West of N.Y. &c. You can
give me some specimens for my surplus specimens of *Metastelma*.
I think when you see my arranged Herbarium you will like it. I
insert in it, not only the flowers, but where it is not too bulky, I also
give the ripe seed pods - or least one with each seed attached
and my set of oaks are well arranged, with glau applied
to the acorns and these so disposed as to fit well in a folio -
I never till this season ^{preserved} specimens with so much ease and
satisfactions to myself, owing to the excellence of a new large
sized paper.

Some time ago you wrote me about Herbarium paper, and I have
received a letter from Prof Carpenter and another ^{from} Mr. Peters. They want
between them 10 reams - I also want some for myself.
Through the kindness and attention of Mr J. F. Wells of Windsor Locks
Connecticut - (a paper maker) who visits me occasionally
he has entered into an arrangement with a mill in his
vicinity they will make such an article as I want.
I sent samples of my paper, and yours - what you want -
I can get an excellent paper for \$7 the ream, 22 in by 30.
to weigh 60 pounds - They would like not to make less than
40 reams, but to oblige me and you (who I no doubt will
perhaps undertake to make 20 reams. - Do you want any
of the Lyceum, or Mr Carey, if so send me the orders - I shall wait
when from you and so myself to visit the Paper maker and arrange the business.

I am from time to time preparing for my own convenience list of some large and useful books to have made the references to my copy - I have made the references in my 'Herbarium' to my copy but not to my whole 'Herbarium' - I have enough new matter to make a new volume of the 'Caries' - I have from time to time preparing for my own convenience list of some large and useful books to have made the references to my copy - I have made the references in my 'Herbarium' to my copy but not to my whole 'Herbarium' - I have enough new matter to make a new volume of the 'Caries' -

Shall you not also want paper for your State Botany? if so why not employ this maker - The foreman is a very respectable one W. H. Hollister of Hartford is agent. If they should execute this order as I trust they will, I shall try to induce them to manufacture a few reams and have any agent in the City of New York. if you will give it your countenance - do write me respecting this matter by return of post - or so soon as you can give an order - (I have not heard that you are supplied in the City with this article, if it should be so, do let me know before I proceed further with the business - No. 605 The paper maker has not yet resumed his working or I should get the paper made in Middletown as before - The paper cannot I learn be afforded of such quality as I require, for less than \$7 - or perhaps I may have it made a little extra on this I shall make the best arrangement I can effect -

I have much to say but will write you another day - Having been much occupied with numerous patients and an increasing demand for my services I find it very difficult to leave town for a single day. In the fall I am well prepared, and then can sometimes leave for a few days - I may not be able to see you in the City before October, when I shall certainly make an effort & before if I can get away -

You were so kind as to offer me the loan of your Aster!! if they were sent I would not keep them more than one or at most 2 weeks, and would amply repay the favour in specimens - Should you object to box them up and send them by the Hartford Steam Boat!! also the number of the animals of the New York Lyceum I wrote you about, and forwarded the money - (they were never sent for as far as I am concerned - as I intended to send to Paris for some Botanical works, such as Decand. Prod. Nictag. Fl. etc. They have arrived - I am also expecting in a few days to receive Spl. pl. - I have at least the fat of Mablembes 2 Dec 1818 - I have you any spare Pamphlets and one of Brown etc. that I should like for a friend? -

Yours Truly Joseph Barratt

To Prof J Torrey

Should be happy to
Procure specimens of the
following plants -
Cypripedium arotinum
Salpandrum officinale
Gimicifugus palmata
Staph. Woodwardii
Virginica
Acrostichum aureum
Quercus oliviformis
Pass Nov 27 - Dec 2, 1862
Leersia centricarpa
Sinea municipalis
baei Elliottii -
Depl. Helen Gynosa
I have written to Buckley
to look carefully for this
and give him all I find
in the Howard Arb. & my
respective it -

Stenopora andromeda
do you find this? - harvest
only infrequently - can you let me
have a few specimens?
I should be glad to
make exchanges in insects
if you will send a list of
the ones you send
I have been looking for
a list of what I should
Buckley has done nobly this
season in collecting but will
tell you all about them in my next.

Single sheet -

New York.

Professor of Botany, M.D.
3 McJannet Street

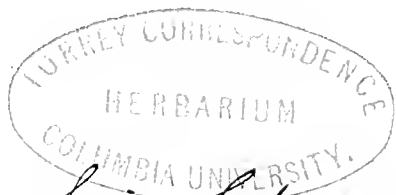
You enquired about Collections of Insects: I have a great number, and am
gradually increasing them. Some years since I promised a collection for the
Smithsonian Institution. I regret that my other duties have compelled me to defer
the arrangement of them - I shall as early as possible send what I designed
to this Young Gentleman - I shall besides have many to spare what
Dr. Greville is it? do you mean Dr. Greville of Edinburgh if so I will
send him some of mine. tell me more about this in your next
and I wish you would name to Sir Wm the tenting the insects have not
been already sent as promised but things I need to do promptly
but you know how incessantly one like myself with no assistant has to work
to complete Collections and Herbariums -

Recd. Aug. 26th

36

Middletown Conn.

Aug 21st 1839.



My Dear Friend

Your kind letter of the 13th was duly received and answered. I hope I shall hear from you immediately, and if it is quite convenient be favoured with a sight of your Asters!!
I regret my inability to visit the City of New York at this time - or I would not think of giving you so much trouble -

The Books you so kindly loaned me are now forwarded by the post to Mr J Southmayd. If the parcel is not left at your House, I must trouble ^{you} to enquire for it at D & K Phillips 243 Broadway where I directed Mr Sol Lane it if he did not find it convenient to call in person.

I have a great deal to say but shall wait a few days till I hear from you about the Herbarium paper & and also about the specimens named in my last letter.

In haste very truly
Yours

J. Bartram

To Prof Torrey M.D. &c

over

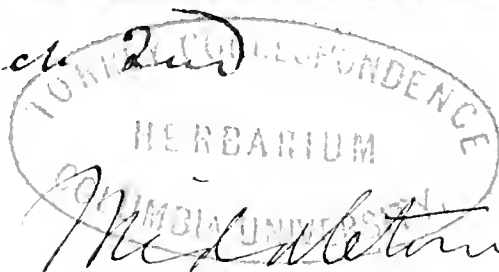
I believe you ^{will} find that the best care has been
taken of the Books - For the great favour you did
me in sending these Books accept my best thanks
for the present. I suppose by this time you
have another number from Sir W & Hooker
I hope before long to possess this fine work!

The few minutes I have had to spare the last 2 days
has occupied in looking again at something
in the Hand Book. If I had the whole of
the numbers before me I should be tempted
- to write a notice of the work, and then go on
and write another on the Hand Toney & Song
and then the amount of research and
labour required to produce such a flora
as you are engaged upon



P.S. I find Mr S will leave this parcel at Mr Phillips. I have
therefore directed him to put this letter in the
post office - which will serve to surprise you when
the Books may be found -

Am 2. march 2nd



31

Mr. Silliman

Count

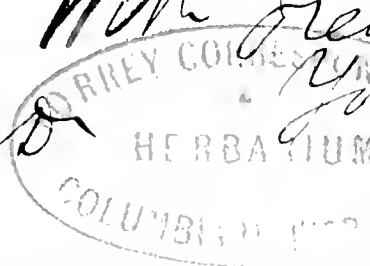
July 3^d 1840

My Dear friend

A letter from W. S. B. Buckley
apprizes me of the shipment of his
plants to your care by the James Baring.
I learn by the papers the vessel has
arrived in New York — There is a
package for me, and also for
The Wesleyan University —
Prof Smith has politely offered
to take charge of these things
for myself. The plants I wish
to have put in a box for safe
carriage at this season of the
year, owing to the difficulty of
transportation — Will either you
or Prof Smith do to this —

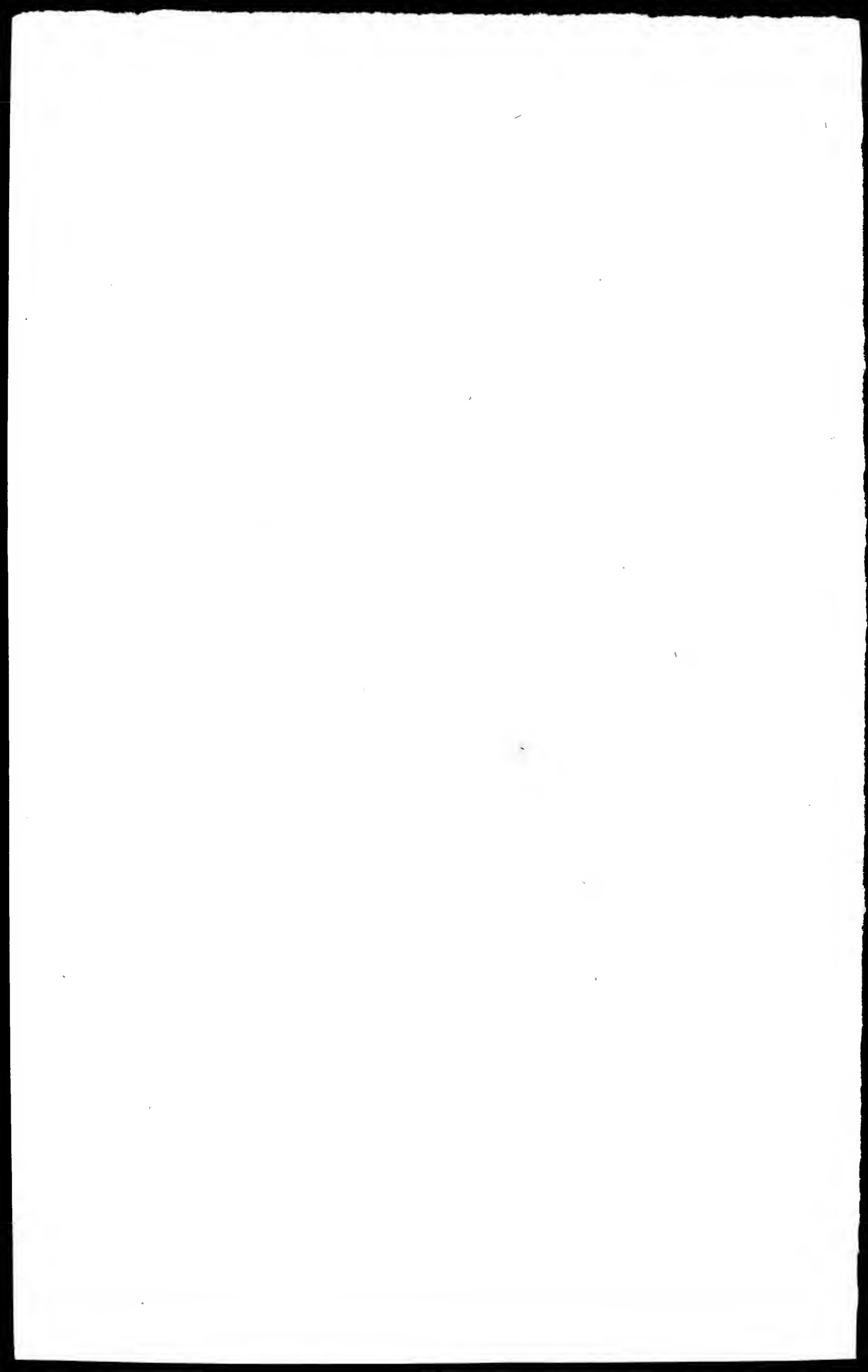
With great respect

To Prof Torrey M.D.
etc.



Yours —

J. Bartratt



15 Red Aug 24th
And.

Aug. 25-

Middletown Conn.

Aug 15 1860

LIBRARY
NEW YORK
BOTANICAL
GARDEN.

My Dear friend.

Your letters of June 30th and August 4th were duly received. When your ^{1st} letter reached me, I had determined to visit N York, and was in hope of taking charge in person of the package of plants (from Dr Carpenter) that are in your possession. It was most regrettable (June 30th) ^{that my plans were frustrated} as I had prepared a list of the specimens of plants I had laid aside for you, and were ready for boxing when I should hear from you.

My time of late has been so constantly occupied with practice I found it impossible to leave for the present.

June 18th I visited the Sea Coast of Guilford, and collected there a large number of fine specimens, and I hope to make another excursion soon, to collect the Compositae especially Asters Solidagos, Eupatorium ^{var.} &c. &c.

I gathered abundance of fine specimens of Thidsea puberula! Melilotus officinalis, Pisum maritimum Lam. &c. The Rastartium Sylvestris Burm. is very abundant at Guilford! & I gathered a large stock of specimens. You have not noticed any locality save

Phil. on the authority of Mill. Do you require any good specimens of this last named or any of the others? If so, they are at your command. Having a good number on hand.

Aug 21st I have been so keeping employed since I began this letter

I was unable to proceed - I will attempt today to finish it. if possible - I enclose a list of specimens, (on the next ^{sheet}) I have in readiness for you - I will make out a list of my

Guilford Duplicates, that you may ^{see} what I have. -

I gathered there a large Yellow Thistle, that I have not yet determined, it grows in the meadows, by the sea coast and also Vicia cracca Linn.

Can you box up and send me all your Willows from different parts of the Union you speak of, I can soon, I hope look them over, and report upon them - There is one Willow Salix pedicularis Pursh that Dr. Gray showed me a specimen from one of his friends (Dr. Coan I think?) but am not certain, that you will require several specimens unless they are already secured will you attend to this in season and without delay - I don't find this on the Catskill Mts. -

I have drawn up a table of the Carices of Middlesex on a new
plan that will be of partial service to the Botanists, & Collectors,
and I shall soon print the same (privately for my friends) - I will send
you several copies, and you ought to avail yourself of it for your
State flora - since the time of flowering & fruiting is very interesting given in books
I have gathered a large number of Specimens of all the rarer
Carices especially C. Squarrosa with 3, 4, & 5 spikes -!
Can I trouble you to copy the entire ~~article~~ ^{speech chapter} and all the
References ^{of Carice Squarrosa} have been from Kunth. (I have not this ^{work} ~~the title~~
which please to give and date). - The last 2 Numbers of Hookers
for Burlington have not been seen. - If there is any thing about C. Squarrosa ^{that is new},
I should like the entire article reference to be copied for me.
If there is a duplicate with you. ^{of the new no. 11 in the Garage} could I ask the loan of
it for 14 days at farthest or even one week I will
transform it by safe hands. I shall soon ^{they} purchase the
work. I wish to write a review of it, but yourself
or you will do it the best, still I might say something of
the work in connection with your labours more than I have
already said in an article in the N. Eng. Review, some
time ago. - I was highly interested with the article of ~~you~~ ^{you} in
the last no. of Silliman's Journal. I say ~~you~~ ^{you} because I know of no
other individual who could have furnished the facts there given
I am also obliged to Dr. G. for the pamphlet he sent me, on a subject
I have looked into with much interest. I was about writing to Dr. G.
when your last letter ^{Aug 4th} came to hand, The pressure of business will
oblige me deferring for a short time a number of rare
Specimens intended for your joint inspection -
The last time I have been at work upon is the genus
Verhena have been delighted ^{to find} some new forms, and
several species that had escaped my notice till the
last 2 seasons, I have now a fine suite of Specimens
for Europe. You would do well to call upon me before
you print ~~of~~ Verhena, my notes will be of use.
I have besides examined the Mature leaves of the Walnuts
and greatly improved my Herbarium this season. My large
stock of duplicates is still on the increase! This fall and
coming winter I hope to make a final distribution of these things
that cost me much labour to collect -
With great regard very truly
Yours J. Barroet

List of plants laid out and Ready for Dr Toney - as by
arrangement Dec 1899 - by S. Bennett.

- | | |
|---|---------------------------------------|
| ✓ <i>Panicum agrostoides</i> | <i>Clematis verticillata</i> |
| ✓ <i>Ceanothus echinatus</i> | <i>Nymphes Kalmiana!</i> |
| ✓ <i>Cornus paniculata</i> | <i>Euchroma coccinea.</i> |
| ✓ <i>Scholia Portmanni</i> | <i>Draba Carolinae</i> |
| ✓ <i>Gentiana saponaria</i> | <i>Nasturtium hesperides</i> |
| ✓ <i>Centa bulbifera</i> | <i>Melilotus alba 14 sets</i> |
| ✓ <i>Zizia aurea</i> | <i>Tegus here abundantly!</i> |
| ✓ <i>Convolv sepium?</i> | <i>Desmodium illinoense</i> |
| ✓ <i>Vitis senecio</i> | — <i>Carpus</i> |
| ✓ <i>Scutellaria Thalictrifolia</i> | <i>Conradia</i> |
| ✓ <i>Rhamnus Cathartica</i> ^{14 sets in flower} | ✓ <i>Lespedeza</i> — |
| ✓ <i>Bontederia angustifolia</i> ^{14 sets in flower} | ✓ <i>Salix</i> (8 sets complete) |
| ✓ <i>Theloneus divisa</i> | <i>Var 45 (new)</i> |
| ✓ <i>Chenopodium botrys 2 or 3.</i> | ✓ <i>Pep</i> sets of — |
| ✓ <i>Acer nigrum</i> fine in fruit | ✓ <i>Habenaria</i> not yet |
| ✓ <i>Acer saccharinum</i> | arranged — |
| ✓ <i>Stellaria longifolia</i> | ✓ <i>Adiantum virginicum</i> abundant |
| ✓ <i>Saururus Benzoin</i> in flower & fruit | and a large number of these. |
| ✓ <i>Cypripedium acaule</i> | (These are not yet sold) |
| ✓ <i>Prunus Maritima</i> Wagh | out apart — |
| ✓ <i>Gum Struction.</i> | |

In your list of June 30th you name several plants and say nothing of
the former list. — Of these I have the following that I feel
certain ^{of the plants} without reference to my specimens at this time

✓ *Cisteus* several species and
many specimens (good)

Theriacum.

Gentiana Quenquiflora
a few.

Habenaria

Liparis

Eriocaulon pillicaudum a few

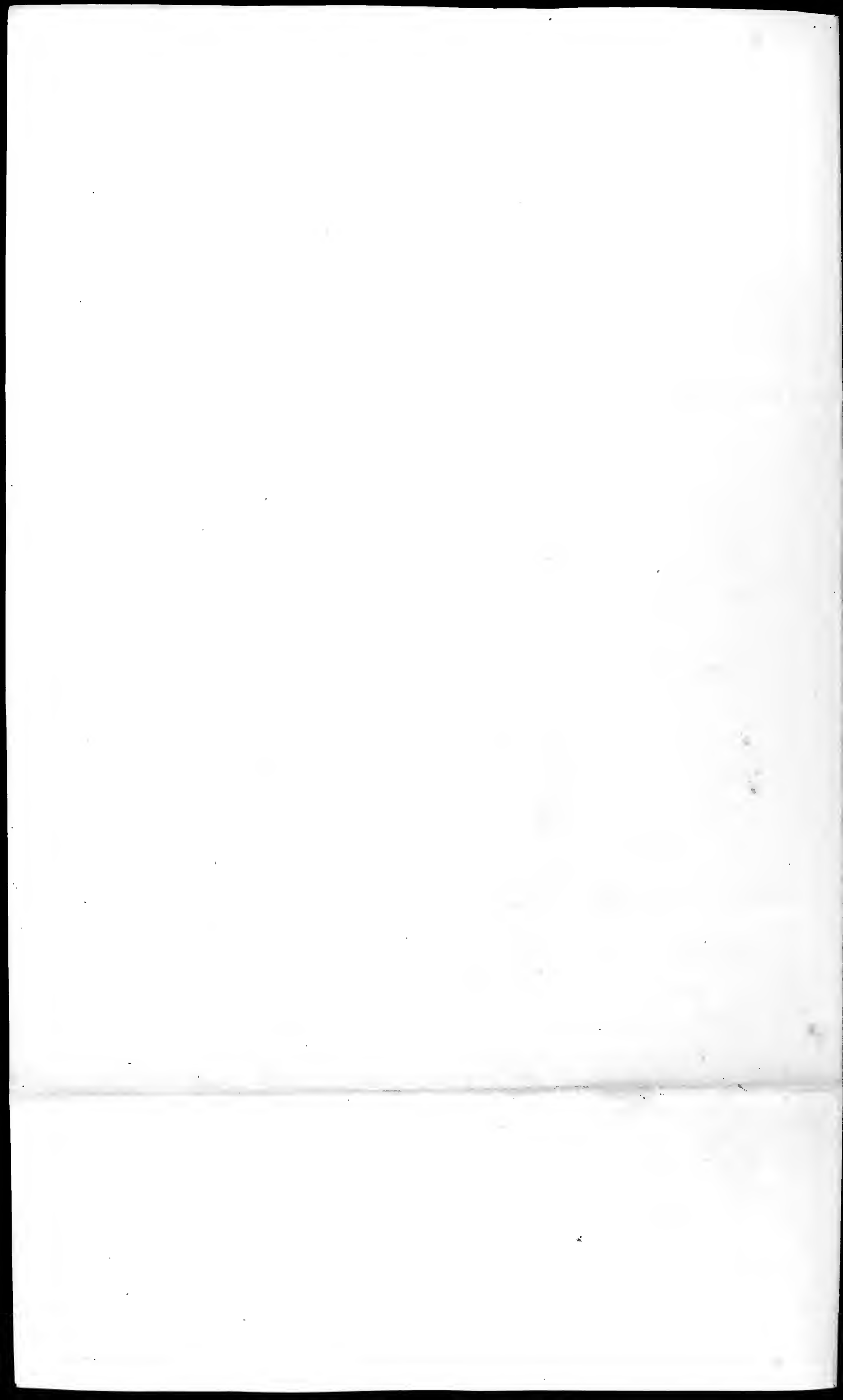
Orontium aquaticum?

✓ *Lysodermis palmata*

fine in fruit &
without abundance
of specimens —

There are besides many others
I may have one or two more
and will in appraise you —

If you have supplied yourself
fully with any of the above
let me know what you
don't want as they will
be useful to me
Correspondents I mean any
The above named that you
may not require —



He? dy 24
and 25 -

My Dear friend.

Middletown font
Aug 21st 1840

38

Of all more than ever, a desire to visit you again,
on the score of friendship, as well as for the pleasure of Scientific
Conference —

I began some days ^{since} to answer your letter,
but found I had so much to say, when my sheet was filled
with nothing less than a second sheet would answer for the present
occasion —

In the first place give my best respects to your
Daughters and say to them that I B. has not forgotten the Insects —
when I made an arrangement of my insects some time ago,
I sorted some for them — and shall before long make
additions to those already set aside. I Herewith my best regards
to my young friend the Misses Torrey —

You spoke of the death of Sir W. Hooker's son. Can you tell me
if this is the one I am to forward Insects to. I wish to know
before I write Sir W. Hooker, and take any further steps

relative to the Division of my N. American Insects —
I have now a large collection that fills more than 40 boxes!
It was my intention to send sets for Sir W. Hooker, and Dr. Prentiss.

The Memoir on the Botanical services of the Duke of Bedford.
I have not seen them but be delighted to read it, provided
you send it me — I will soon return it —

I now return you with Thanks the 2 last numbers of Dr. Short's
Catalogue having received these lately from the author
with a promise of a full set of his rare plants ~~that~~
during the winter — Dr. S. is now at Louisville! at the West.

Mr Buckley wrote me from: Alenton Alabama
Aug 30 — stating his intention to start on the following
Thursday to Botanize on the Mountains of N. Carolina
and Tennessee. He would be absent on this excursion
6 weeks, and will endeavor to make the most of this time
Having as he informs me a great number of his weeks

" Aug. 4 I can go from this place to the 3. West part of N Carolina
in little better than one week. then spend a week among the
Mountains, then visit Tenn. and spend a week there among
the Mts. visit the Muscle Shoals of Tenn. rivers and
the Northern part of Mississippi and Tuscaloosa, and return
(home) via Columbus. Mississippi and Tuscaloosa most of
my route will be a region little known to the Botanist.
and most of it will be through a new Country, from which
the Indians have lately been removed. I do not think
there is a resident Botanist in Tennessee;

You will like myself to be delighted to find our young friend
has resolved to make an exploration among the Mts of N.
Carolina &c. - I shall be glad when I hear from him, &
that he has returned safely - Mr B. is now become so
well acquainted with our plants, his eye will at once detect
all the rare plants on his route, and he will be able to collect
many specimens of each for his friends! -

I hope I have now nearly done collecting plants for the Comp. Herbarium
my Herbarium and for the exchange with my friends. a few
days since I went some miles distance to collect a large
supply of a rare Eupatorium of which I want 50 specimens.
My sets of Eupatorium are magnificent. for a few
sets I cut up and dried the entire plant, in 3, 4, 5 or
even 6 parts, of the largest species! ~~This is the way~~
of the Forest trees and Walnuts I have also made
a noble collection - and have reexamined the
Walnuts this season, and taken a set of the mature
or adult leaves for my Herbarium, and have
a few duplicate sets! Now I purpose sending to Europe
how your Herbarium on the Walnuts. The plates of
Michx. however beautiful do not exhibit the leaves
in every instance of the full size. if my recollection serves me

while I think of it, ^{let me} remind you that there is growing in Mountain
Springs in the Highlands of N.Y. The *Populus heterophylla*. Will
Bent p. 619 no 9. I have no duplicates of this - ~~do you find this~~
I have not yet seen its inflorescence which I regret -
I have engaged one of my former pupils and a good Botanist
to collect all the *Populus* forms in Vermont and about
Lake Champlain - I showed him a few days ago
my arranged set, and told him how to go to work
There are besides a number of rare plants in Vermont
I wish to procure and I hope he will be able to find
them for me - He will soon send me a set of the plants ^{which he collected} in Vermont -
I named to you my table of the *Caries*, that I hope
soon to send in print to you but first I want to send Dr. Booth
article on the *Caries* in Hooker's. With you lend to me
your copy for a few days - I will see that it is returned
at an early day - I want too the specific characters
and references entire of the *Carex squarrosa* form
Kunth. I have amended the description and
wish to compare it with Kunth's first. *C. squarrosa*
and *C. stenolepis* should be put together being
near relatives - The New York specimens of *C. squarrosa*
I gave you from the Highlands differ from my specimens
gathered here - ours here are decidedly cylindrical
those in New York ^{more} *glabular*. The three spiked var.
is so abundant I can find acres of it and it would
be rather difficult among them to find the single spiked
form - which is here perfectly distinct. *
Of all these I have abundant specimens and some
kind and send for you and Dr. G. I want to go to London.
I have besides some new facts on the *Caries* that make
me desirous to see the paper of Dr. Booth -

* The single spiked *C. squarrosa* also keeps ~~dis~~ ^{dist} with us. Did Dr. Gray
see the Linnean specimen -? Had any 2 spikes? or more

I was surprised this season to find the Black and Sugar Maple did not exhibit a single flower or Carpel. I desired a friend travelling to Vermont to inform if he found the same. The case in his journey on his return said he could not find a Sugar Maple with fruits on his journey. to Vermont, and return. - at my request this gentleman collected some fine species of Acer. Spicatum in fruit. &c. - Last year was the bearing year with the Sugar Maple, in this vicinity of Vermont. - Have you paid any attention to this fact in the State of New York -

Dr. J. B. Porter visited me a short time ago, on his return from New Haven. This is the first time I have seen Dr. P. He spoke highly of the attention he received from Prof. Silliman and others and further expressed his high regards for many acts of attention he found Dr. Torrey. His appearance is any thing but commanding. I gave him some rare plants found him rather rusty in botany. but described him to send me his C. novae angliae - which he did. This was one of the rare cases I did not suspect. Specimen of - I believe I have the last Spring found the same in this region.

I much desire to see what Dr. B. has said and named C. Vesicaria &c. - Dewey is still nibbling on with Caries in Silliman and does not agree with Dr. Gray on C. foliolata. - I have specimens from Maine and others in different stages that will look over carefully one of these days - I have gathered C. foliolata in from 6 inches to 3 or 4 feet high in this section.

I have preserved some fine specimens of 2 Maple subspecies that are not preserved in your Herbarium. You shall see them in due time. Having watched the trees several years I have now authentic specimens in all stages with copious notes -

I was in hopes I should have had time to have forwarded some specimens for your examination but this must be deferred till another opportunity. Pray please shall I direct any parcel for you to be left in the stores and convenient part of the city - If any packages for me are in future sent to you by sending them at once by a porter or Carman - by the Hartford Steam Boat you will do me an especial favour and I shall most punctually pay charges. I do not desire you to incur any expense on my business. Mr. Barnard will take charge of my parcels if not do send them by the Hartford Boat as early as possible. I am desirous to see the plants from Dr. Carpenter he has written me about. - Yours Truly

Dr. Prof. Torrey - and Dr. Gray -
Joseph D. Barnard



My Dear friend.

Westchester, N.Y. October 12/82. 34

I had the pleasure of a letter from you on the 25th of August, and the loan of the 2 vol of "Lookers Thore & the Memoirs -" I have now examined them fully, and shall at the earliest moment send them or (bring them myself perhaps) in a few days or very soon with the rest of the plants I have for you. I have been very busy with specimens more so than I ever expected, and hence a little that requires looking after. I was down on the sea front lately, and found abundance of things but nothing of particular interest to you, perhaps. I gathered many groups, 3 species of *Sparganium* - I do not see them in your State Cat. but I may have overlooked them. I gathered some noble specimens of *Solidago levigata*, this I find troublesome to dry. This collection, with the plants I gathered this Spring, will enhance the value of my stock of specimens I was most pleased to find again on the sea front that *Panicum amarum* Ell. I believe I am the only individual who has found it in the North. It is however a rare I gathered a good supply of specimens. You once asked me for it and now you may know where to apply but I shall send a box of you a supply of it - with many other things - One of my friends here is going to Florida again, his residence Apalachee. He brought me some plants there I showed him the State of the rare *Trichomanes* with the real Nut &c. and have desired him to collect me a large number of specimens, which I don't need to write do if he can find it. I wrote him directing how to proceed. Within a few days I found 4 specimens of *Botrychium fumarioides* which is rather rare. with us. and indeed every where as far as I know - These *Botrychium* are very capricious plants, you never find much of *B. distichum* used to be more plentiful but now very rare here. I found this fall but a single plant! The *Lycopodium clavatum* & *monostichum* find abundant at one place and *Thyridopteris palmata* at another - The one *Sparganium* you have not in your State Catalogue - do you want this? You must have this in the State of New York.

I am surprised to find ^{this year at Westchester} abundance of a very singular
fern like *osmundea*, spectabilis but the fruit is not terminus
like it, but interrupted and mostly on the margins of the pinnules
similar to *Sygodium scandens*. This a curious thing have you
seen it in this state? Noticed it this season for the first time here
growing in 2 meadows in abundance, and I secured about
50 specimens (very fine) - I've found the same thing in
the highlands of New York. Shall you require this for your
state collection of so let me know and you shall have it and
the *Sygodium monostachyum* also if wanted and as I suppose
I am most happy to have an opportunity to settle my
orchidea after Hooker's plan - whether things -

I feel greatly concerned for Buckley's safety he some 2 months
ago started for the Mts of Carolina & Tenn. and promised to write
me on the way, but nothing has come to hand my fears increase
daily lest he should ^{have} taken danger with him -
If you have heard in the meantime ^{from him} you will do me an especial
favor by letting me know as early as possible. My only hope for
his long delay is that he may have had his time fully occupied
with his collecting he could not spare time for letter writing
and in this respect is he much like myself -

Did I ever show you the specimens I collected in the highlands
of New York of a *Trillium*. That is not as far as I know of
described. It is evidently related to *T. pictum*, and has
a narrow petals. I have named it. *T. pictum var. ligulatum*
Have you met with this? Found it growing near the Iron
Mines of Phillips, in company with *Streptopus podens* &
This *Trillium* is very different from what I have seen
elsewhere - I will make a drawing of it as I have no
duplicate or will lend you the specimen provided you
wish to see it. My task you to secure me the
first specimen of *Gymnocarpium arictinum* that come
in your way I greatly wish for this plant as purpose to throw
it among pupils to direct their attention to it - I expect to
discover *Amberman's* whether rare plants.

Unkerr's half figured *Spiranthes gracilis*, its flowers nearly 2 months earlier than the other (species) and is certainly a distinct species. It is very common here, but I only secured your number of specimens and these find are destitute of those radical leaves as shown in Unkerr's figure.

October 14 This letter has been delayed for want of time. W. Finestok

Today I have made further search for the *Botrychium* and have ~~that~~ had the good fortune to find a number of specimens the precise form 25 specimens of *Botrychium fumosum* and five of *B. depectum* - so you will be supplied. I don't find *B. simplex* although it occurs here and I may yet meet with it. Having several years* since found these *Botrychium* in an unusual quantity I have ever since examined the same locality every year at the same time of the season & today with success. I find these ferns only appear late and early frost will entirely check them and presuming this to be the case I repeat my visit to the locality to test my theory. This fact may be of use to you. If I were to visit the Highlands I should expect to find *Botrychium simplex*. The locality is near the road within 2 miles of Allspring near a little rock. I have also one specimen I found the other of what I always regarded as *Botrychium lunare*. I cannot see any difference between these specimens and those from Europe. ~~The only peculiarity of the~~ ~~case~~ I found it in company with *Botrychium simplex*, so with the rest you often find 2 or 3 species of the same genus growing at one locality, and it is common for groups of certain plants to grow in company. On turning to my Herbarium I find it was on the 30 of June (1824) that I collected *Botrychium simplex* - ~~at the same time~~ in the same place in your State. Out of the doubtful one I just named is now before me, it measures 8 inches long - with 4 lobes on each side of the frond $1\frac{1}{2}$ in and a petiole 2 inches. But on a closer inspection I do not feel satisfied that it is *B. lunare*. without further comparison of specimens which I will not attempt this evening, but on the day I will write to you more about it.

With the greatest regards

Truly Yours

J. Barratt

To Prof Torrey.

* *Botrychium depectum* Octob. 16 1832

Left space for you all of my orchids but I shall
not have time to write more today. You may expect to
see me or hear from me soon.

Prof. J. Torrey M.D.
33 McDougal Street
New York -



Octob 15. This morning I have received a letter from W. Buckley dated at Atlanta
Alab. Octob 2nd. I was delighted to find my young and esteemed friend well and safely
retained from his late travels. He went through the Northern part of Georgia, and
through the S. Western part of N. Carolina through East Tennessee and
N. Alabama near the Muscle Shoals which he visited, to collect shells.
Says he met with many things which are new to him, in reply to my inquiry
for list of his plants he says - I cannot because the specific names of
most of them are unknown to me besides many I am even ignorant
of the genus. I expect a high rent for the plants obtained on this
late tour. Says he has read the 2 last numbers of your Herbarium
delighted with the work as I had no doubt he would be.

Middletown Nov 5th 1840 - 40

RECEIVED
MIDDLETOWN
NOV 10 1840

I can send the Herbarium any day but if you desire to request it instantly for safety
let it be all packed up the thing being in a box for you and I will send it
plainly and safely of the way. While I have time to attend to the Herbarium of my
own.

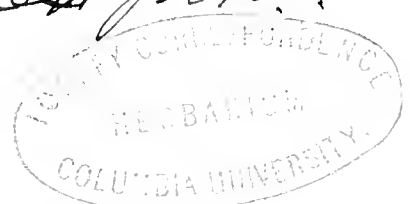
My Dear Friend
Your letter of 31st Oct. and post marked on the 2^d reached
me the evening before last, and at the earliest leisure moment I
took myself the pleasure of opening the communication. Your letter
is dated Aug 25th and I set myself without loss of time to
make all ready for you and drew up a long communication which
I mailed about Oct 16. If this is lost I shall regret it, but I
will as soon as possible draw up again for (I have no copy
of the subject matter of my communication) - I visited the forests
of Guilford and made large or rather Bulky Collections of
plant specimens to the sea boat. These things gave me
much trouble today, especially the stock of *Solidago*
carolinensis. &c. They have not been thoroughly dried till
about a week ago! I gathered in fine fruit *Cakile Maritima*
and this too was very troublesome today. But it is safe -
I found plenty of *Vilfa longifolia* and I had the good fortune
to secure some very fine specimens of my former acquaintance
on the Coast the *Panicum Amarum* Ell! It is rare
on the Coast. You once asked me for specimens, and now
you may know when to expect them as I will send it
with your printed. I gathered 3 species of *Spartina* (in the
and on turning to your State Catalogue, I did not find it
in the list? I have not time now to give you a list of all
the things - I found there, The Yellow Thistle *Cardus Spinospermus*
Walter. Darlington p. 438. - Gr. Sp. in p. 1684. The flowers are
yellow enough!! I never saw the plant before it gave me
much trouble with it - being so succulent. In drying the
flowers changed to a dark purple color may not this have misled
Ellis? a person who only saw the dried specimens would
be deceived about the color. It grows from 2 to 4 ft high.
This is not your Catalogue of the plants of York State -

Parenting Regard to the Trips to Jersey, and the Mother of these young ladies!
as well as the Junior Editor of the Flora, alias Dr. Gray!

I have only a strip of paper as a memorandum of some of the things
for my last letter upon which I must now repeat briefly.
Friend is going to Apalago Florida, where he spent last winter
and he has kindly undertaken to procure me *Cypripedium* specimens
of *Toreya texensis*. I showed him the figure and fruit and
gave him exact written directions how to procure in botany.
I gave you a summary on Barker's Flora of the Carol & numbers.
Especially such plants as I found here -
Lycopodium Monotachyon; grows here abundantly at
one locality and I offered it to you for your State. All of
wanted - and told you of a *Trillium* that grows in the
highland N.Y. I have called *T. pictum var. ligustrum*
have seen one of this kind?
After much search I secured you specimens of *Pityrogramma*
frunovides and *B. dissectum*. *Spiridula gracilis* and
other orchids. Found during near the Iron Mine with *Stephanus* near
Have found a curious fern. It is *Osmunda* with
fruit on the edge of the pinnae only, at the upper part of
the frond but not terminal. like *Osmunda spectabilis*.
I found the same thing but once in the highland N.Y.
New York and offered you 8 sets for your Herb. of numbers.
I will bring it to you or send it with the rest -
I got some 50 specimens being in great plenty -
I have also been looking over the *Eupatorium* and have
some *Cypripedium* notes. and abundance of large
specimens for Europe. And I had proposed to send
with printed labels, references, numbers, and
notes. and therefore was most anxious to have
another interview with my good friend Dr. Gray
before I took any steps in this matter. I am also desirous

Herbim for her - The mill in this place was stopped about time before. The line where my order
was the completed. I was made arrangements at one place where I was to go
been sent other with my order in presence. I will go but must not forget to
You first to New York. I will be immediately of your own my
comparative mill and I will be just your own my
order of the
order of the
order of the

Compare with him and supposed I should have time
enough before he was ready to print. I hope you will hold on
You can be me or the specimens intended for you
are - There are here certainly several very distinctly
marked barrels. These I have studied closely and am deriving
wonder to your Editorial notice or I must do myself.
I shall that has been said in the book there is much
to be said and it will be a miracle if Dr Gray and
I have cleared all up. I intend to prepare
a paper on these of this place, and therefore should
like to go in concert in this matter and compare notes
and views for these examined them in the morning state
therefore know them thoroughly.
I have been hindered by the printing of my Cabelra
for the Willows. I have only the last part of the proof that
I correct and it is done. If I send you a sheet by post for
your correction and advice will you do me the favour
to look it over critically and give me your advice.
I do enclose to you the printer like you can examine the
proof may I beg the favour of an early return of the sheet.
I have much to say, but am obliged to close at once
delay till the next post. - Yours with great regard
J. Barcott



Herbim for her - The mill in this place was stopped about time before. The line where my order
was the completed. I was made arrangements at one place where I was to go
been sent other with my order in presence. I will go but must not forget to
You first to New York. I will be immediately of your own my
comparative mill and I will be just your own my
order of the
order of the
order of the

More of my life. Communications I stated my fears respecting
Mr. B. Buckley and wished to know if you had heard from him.
I have a letter from him dated October 2 which came
to hand on the 15th and the next morning I wrote you were it that
for this fact, I should not have been certain of the date of my
last letter, but I trust by this time the collection being under
the proper master I have sent my letters. - I derived Buckley to send
me the Crown a letter. He had read your story and was delighted with it
I cannot now give you the particular of this letter, but will bring it

Besides the labels of William. There will be a title page and introductory
remarks to fill one page. This is not yet in type, so this I shall not
trouble you with, like you sent in print. I may have ~~as~~ now as I have
the proof sheets, ~~write~~ ^{ask} for a few copies and bring with me - If you have any
thing useful, write me immediately - The Rev. Dr. Lin has arrived in
this country, and is expected at the college in a fortnight. - he is said to be
an excellent preacher. It occurs to me that there are several matters
in your letter not touched upon. I will if possible give you full particulars
in a short time I thank you for your Memoranda. Your truly J. F.

St. Louis

New York

John Mc Dougall

Joseph A. Jones

Ans. Feb 4th

Middletown Jan 8 1844 -

41

My Dear Friend.

Your letter of Oct 31- is now before me, and to which I have not replied. I have been much occupied and the specimens I collected last season taken up much time. The other day I sent you and Dr Gray the sheets for my sets of Willows and Caries but I did not send the folio to the press of others that I had printed -

The late severe cold and the attention to other matters has suspended for a short time my Botanic pen. I regret I could not find time to write N.Y. it was a great disappointment to me. but I trust I shall be able to forward all your plants in due time for your state Collections.

I have now much to say but find myself much limited for time, and must therefore beg to apologize for my short and hurried letter.

Prof Johnson I hear will visit N York, and will deliver your Books for which accept my best thanks for their use.

I have a letter from Mr Buckley dated Dec 26th to apprise me of having sent a Box of plants to you via Mobile - in which there was a parcel for myself. It was the expectation of Mr Buckley that your Box would arrive in N York on the first or second of Feb.

Did the long communication named in my last ever
reach you?

I should be obliged if you will give me the
address of the Revd Mr Curtis in North Carolina
I much desire to write to this gentleman to make an
exchange of plants. I hear from Mr Buckley last
April that he had applied to him for plants!
and I think I ~~could~~ do something for him in the way of
~~exchange~~ Also write for the address of Mr Tuckerman
of Boston.

Mr Buckley informs me you have desired him
to send the living plant of the *Groomia*! I should
be glad to cultivate it. never to see a specimen

My next effort will be to send away the sets of
my plants and then I shall have time to do
something for you... My Duplicate stock I
rate at 40,000. Specimens - and many of them
of large size!! I wish to send sets of *Willows*
to Europe Those for France and Berlin will
be my becke to attend to for me? I should
be glad to know. If not I must look to some
friend or agent in the City.

With great regards
& Truly Yours
J. Barratt

Here you a newspaper with a notice of Prof
John M. Epp on Corbucci did this reach
you.

I was delighted with Dr Gray's paper on the
Herbaria of Europe. but why does he not
come out with his name in full -
May did he send Mr Buckley a copy. If
not may I beg of him to forward one?
and may I ask for another copy for
a friend who takes a deep interest in such
matters (that is if only can spare me one or more).
It was my intention to have written Dr Gray
on the subject of his paper but find I shall not
have time to-day.

Ad. by Prof. Johnson, Aug. 16. 1848

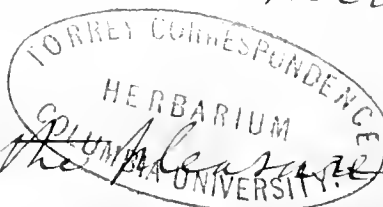
Good
Lover,
W. York

Am? April 5th

Middletown Connecticut
March 20th 1846

42

My Dear Friend



I had the pleasure of seeing your well known hand again in your letter of the 10th, and am glad to find you are still blessed with health, and able to sustain so much excitement, and hard labour, and further that you are able to render yourself so eminently serviceable to the cause of Science &c.

Of late I have written an unusual number of long letters, to correspondents, and have now I hope nearly got through my arrangements for the exchange of Plants. &c. I had the high satisfaction of receiving 2 letters from Rev. W. Bartis, dated at Washington D.C. He is to furnish me in the course of next season, a number of plants, and has sent me a long list of desiderata. —

I have just written a long letter to Mr. Artemus Bigelow, now near Mobile, who will visit Florida, this season, and I have sent him an outline drawing of *Torreya taxifolia* and desired him to collect many specimens of foliage fruit and bark, if he goes to Florida he will be in the region of the growth of this rare production of the forest. I also last fall desired a Mr. Hall of this City, now in the same region to collect this tree for me in abundance. If I succeed I will be very desirous this variety with you, for other things unless you have it in profusion. I must have 8 entire specimens of *Halimia*, 12 or 14 inches long, with about 6 pair of leaves. There are also with things best for you —

I wish to procure *Primula farinosa* & *americana*.

Cypripedium arietinum, & *Nardostemum palmata*, which

there come in your way. I beg to have them laid aside for me. If I am not asking too much. I must then ^{understand} them to copy for figures to send round to some of my pupils and then I hope to secure specimens of these rare plants. If I had them now, I should send outline drawings to several friends in Vermont &c. I have written about them to Dr. Houghton and also to Mr. J. A. Lapham of Milwaukee who sent me his Catalogue the other day.

not I have seen much of them

I greatly desire to know how far you have proceeded with
the Composite. Cannot you send me a proof sheet?
It is my expectation that this letter will be conveyed
to Mr. W. H. Ward, a Bookseller of this place, and I shall
send 4 specimens to you for your examination, while thank
you for your remarks as soon as convenient upon these
specimens.

You would do well to send ^{me} your remaining list of Disidia
for N.Y.; and if there is anything more that I should
like to see look it up. I was on the Sea Coast of
Guilford and found there some interesting plants
that you may desire, but I cannot now give you
a list. I send you a specimen of *Panicum amarum*
to there are only for you to look at, but better specimens
will be sent another time.

In great haste

Very Truly Yours
J. Barratt.

To Dr. Torrey.



I desire much to know if you have enumerated
prints and put upon the Aster or Solidagos,
if not, will send you several specimens if they
will be in time. I find much to be said
to his work in information on the Solidagos in
Miller's Gardener's Dictionary. I have not been
able to review and look over these things. Much
since I saw you. but I paid particular
attention to the Radical leaves; of the Solidagos
I should be pleased to see a copy of the manner
you have disposed of the synonymy of *S. longistylis*.
and those under the ^{different} ~~same~~ names, where the plant
has been described so often. I also desire to see
how you have decided upon *S. latifolia* Lind.
This is a genuine species, and is well characterized

as any species that grow here. Find it here with
leaves 6 to 7 inches long, & $3\frac{1}{2}$ - 4 in wide!
Height 2 to 3 feet. Axillary branches 3 to 7 inches
long.

There are one or 2 varieties of it but these
do not interfere with the species above

I have numerous specimens of Solidago from the
Western part of N York. I called myself, and
I am well satisfied many of the same species there
are more diminutive in size, than the same
species found ^{growing} here. -

Several of the Solidagos are more gigantic
along the Great River, than I have seen
elsewhere. Some of them are 7 feet high!

The specimens from the vicinity of Boston
Mass. The I have read are, small, and look
like eastern species, compared with ours.

There is a species of Solidago growing in our
sandy fields with a large Radial leaf I cannot
determine. The Rad leaf is 12 to 14 inches long -
I am at this moment in so much haste to be
able to meet Mr Ward who will come
this day that I have no further time to write nor
ever to look over my hasty scribble

Truly Yours, Wm. B. Barlett.

My Best respects to Dr Gray.

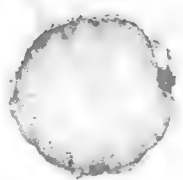


For the winter, the Compositae
specimens with my
other notes for the State
and will further
attend to the
affairs of the year.

Mr. J. J. Torrey M.D.

20 McDougal Street

New York



The date is: Aug 4 1844 12

Hydro. No.

Aug 4 / 1844

This is a long time since
 I have heard from you. I hope you
 are well. I am well. I am
 and hope to be so every time I
 do any thing to-day.

The above working has given
all the pieces and has brought
out the pieces of the same
for the shop and that will
be a piece of the whole
and of the school and
a lot of specimens —

Give P.C. to my dear Mr.
 Orler, and let him
 keep it until he
 has seen me. I have been
 sick by Mr. Byrd's
 house.



My dear friend
Since I have been
with the 8 Specimens of
Roraleum I have been
you for several years
heart the last of the
had the specimen destroyed
either by the fire or by
by collecting for the last
the specimen I have been
and have been in the
Naples -

I have been good thing
and that I have been
who I have been
better and I have been
Prayed for the
for a while
I have been

Wm. J. Smith



Dr. J. H. Dwyer

30. Dwyer

March 10, 1872



Could you loan me for a
week your book
on the history of the
book by Mr. Bigelow.
And can you tell me any
more about the book
on the history of the
book by Mr. Bigelow?

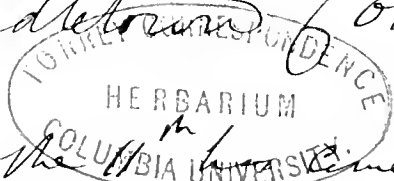


Recd Nov 26.
and 29th

Middleton Count Nov 16 1841.

44

My Dear Friend.



Your letter of the 11th has come to hand. at the first spare moment I have finished the remaining Plants due to complete what I long since promised you. The Parcel is packed, and is on its way to you by Mr Needham now on his way to Africa. Mr Needham is a young Theologian, a graduate of the Wesleyan University and has a letter of Introduction to you. I can recommend him as a young man of worth and great zeal, and will do his utmost in what he undertakes. Mr Needham will make collection of Plants &c in Africa.

I hear from Mr Needham, he has a set of Specimens collected this season in the State of New York, near Buffalo. I have directed him to apprise you of the fact, and offer you the examination of the specimens provided you desire to see them. Mr Hanning sends them ^{through}, I cannot say any thing of their value.

I made a list of Books such as I thought may be useful on his travels, and residence in Africa, will you do me the great favor to look at this list, and offer Mr N. your advice. I am aware how much your time is taken up, and have directed Mr N. to call when you are most relieved from the urgent duties of your Class, saying that you may be then Mr Needham will be duly appreciated by your constant friends.

Dr Lomey -

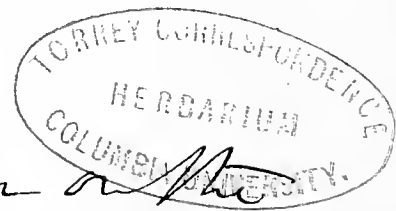
J Barratt



The next thing will be to forward the shells for
your Daughters. I wish Mrs. Torrey or the young
Ladies would show Mr. Needham their Museum
that he may form some estimate of its value and
materials.

I have much to say and will take care to
write you immediately.

I much desire to see Dr. Gray's paper on the
Plants of N. Carolina. May send it to me
at once, and the other things you named.
Care of Barrell & Mather 47 Water Street.
How do you like my Eupatoria. I have a splendid
set laid aside. I had intended sending
some. I print my paper, which is about
ready for Silliman's Journal, but I may show
you the MS first. You ought to have the
whole in your State Herbarium. Let me hear
from you at once, and name any other
plants still wanting purchase. I may be
able to find some in my Herbarium for the
completion of your list for New York.

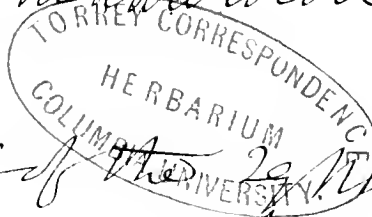


Am. & Eu. 21st 1842

Middleton Mount

July 18th 1842

My Dear Friend.



45

Your letter of the 29th Nov. was duly received and was glad to learn you had received the Packages of plants I sent you. To-day I forward by the Politeness of Prof Johnson, some more plants for you, and a set of Verticillate Eupatoria. You ought to see my Mss. and large specimens, or rather the Plants growing ~~tenderly~~ into this noble group of plants - On July 1st by Packet St James to London, I sent a number of sets of my Eupatoria viz to Sir W Hooker Dr Booth, Mr Lambert, & the Linnean Soc. together with other rare things of which I will tell you more another day.

The Packages care of Barrill & Mather & 7 water Street were forwarded, except the one named from Mr Lapham, which I will ask Mr Johnson to call for -

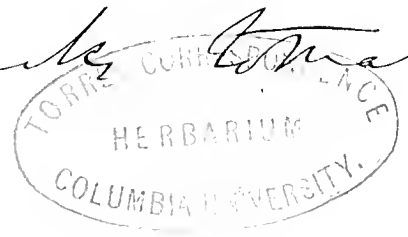
Mr Buckley wrote me Decr 18th in reply to my letter of Decr 10th I am happy to find you concur with me as to the best course for his next years travels, which he intends to follow. He desired me to say that he had not received a copy of the Pteris of Dr Gray on the Plants of N. Carolina, which he greatly desires sent but not the Thora at present - which I feel did not reach him.

over

Please to direct the Report Dr Gray to Mr. B. Buckley
Blacks Bluff Wilcox County Alabama
I sent Mr B. a synopsis of the route followed by Dr Gray
which proved highly interesting to him.

I have much to say to you my friend but find I must
defer till another moment of leisure and
regret I have not had time to look up the
list of the plants named in your list of desiderata
I believe I have most of them. — I have however
~~but~~ I believe the most important ones
for your satisfaction.

I have many notes and remarks to make
for your benefit —



Much to my surprise there is a species of
Colchicum growing in the Meridian Mountains
distance about 8 ^{or 10} miles from Middletown, and
I have secured ~~and~~ 3 specimens. At present all I
can state is, that with the garden of Mr. M. Starr ^{Esq.} of this
City, I saw it growing abundantly last fall, and made
enquiry how it came there. His reply was that he
found it in the woods in the Meridian Mountains. Was
struck with its novelty, and removed portions of
the plants to his garden! One of the men who was
in Mr Starrs garden, said he had also seen

the same plants growing in woods, one mile from
this City in the woods of Mr Jackson. I am too late
in the season when these facts came to my knowledge
or I should have made search after the
Colchicum. Mr Starr has promised to show me
the place where he dug his plants, and another
season I hope to satisfy myself and secure
a good supply of specimens. To me the Colchicum
looks different to the European one. It approaches
more to a crocus in size. I will examine
the fruit and foliage next spring and then
report fully. I do not find any notice of a
Colchicum being found on this Continent. If this
I know about is a new plant it is an
interesting fact to Botanists.
I had the great pleasure receiving Dr Gray's
paper on the Botany of N. Carolina. I was
exceedingly pleased with it. I hope Dr G will
revenge a set for me and send some of the
rest by return of Mr J. which he can
put in my Portfolio.

Yours most
and with great esteem
J Barroet

2 Dr Toney



I wish Dr Gray would inform me what sort of plants
he desires in return for his letters from the Hospital
Here to him without much delay

Dr J. J. J. J.
30 M. D. Street
New York
Dr Johnson.

In this Portfolio which I desire
may be returned by W. Johnson

I hope Dr Gray will send me a few
of his rare Plants from the West
N Carolina especially *Carex Torreyi*
Gemm. radiatum. and *Diphysa*
Gymnosa
While he is at it make him a few
return -

J. Barlett

Meddleton
July 18 1842



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Long 10

Am? June 25th 84

47

Middletown Connecticut.

Feb 27th 1842.

My Dear Friend,

I have this morning looked over your last letters, of Nov 11, 29th & Jan 21st with the intention of answering such parts of them as may require a few words. I have indeed been most anxious to visit you, that I might see what you, and Dr Gray were about. Last week a lady in this City received a copy of your Botanical Lectures Lithographed in a most beautiful manner, which I must look at again provided the author cannot send me a copy. I was much struck with the beauty of the work as a whole, and should like to possess it.

I want to know what progress you are making with your Flora of N. York. If your time has been as constantly taken up as mine, this winter, you cannot have made much progress. I know too, how little time you have to spare for letter writing. (and have not troubled you with my correspondence.)

In the first place let me enquire what progress your artist has made with the drawings of the Willows. I had thought of sending you some additional specimens to show the fruit, in higher perfection than what was sent, and could make some drawings of the flowers or rather dissections. I would be glad to have a number of plates of each

laid aside for me, when struck off*, ^{as a sample} the following I would do for you, if however you do not find it absolutely necessary to proceed rapidly, I could give you some aid and come down for one day to look at you.

I have the flowers and fruit of all the kinds of Willow, which I preserved while examining and studying the sections, which cost me a great amount of labour to verify in all its details. The Drawings should exhibit the aments in several stages, and on these your sets are very good. There is more difficulty to preserve the mature Capsule, for soon as it becomes expanded, it bursts open, from the great expansion of the Cotton within.

* and would gladly pay the extra expense.

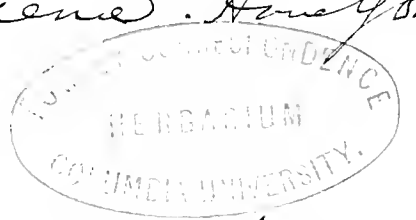
The form of Barrell & Mather is discontended. do write advice you not to send any packages there at present & send any thing to the care of Mr. Christy at 2 Liberty Street New York.

a Drawing well executed of *S. rigida* would be most ornamental,
I can colour this, I believe exactly; but your draughtsman should
work under my eye as well as yours.

The most perfect drawings of the Willows, I have yet seen,
are those in the *Salicetum Japonicum*. They were taken from
living plants, and coloured with great exactness.

Had the Duke of Bedford and Mr. Forbes, being aware of
certain groups, conforming as to the end of the arment, which first
intrudes, as filaments, they would ^{have} paid more attention to
figuring one or more *Cattinus* so as to exhibit, this curious fact,
which was not understood by any writer, who has even
studied the Willows and whose my arrangement of section so perfectly illustrate.

I supposed you would frankly tell me how you liked my
specimens of *Verticillate* Eup. Should you like to see my
full descriptions? *E. fistulosum* W. & A. has been used for blasting
at the Chatham Quarry of Red Sandstone, as well as the Fiddler Quarry.
This is worth noting in your State Flora. I have paid much attention
to embankments, and shall have a Paper on this subject which will
exhibit many things which I believe will be new to science. Have you
examined much into this subject.



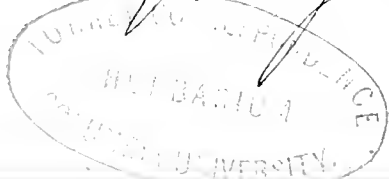
The *Salix rigida* will be in flower again in a few days, I will
make an attempt to secure some specimens for your artist.
I am at this time desirous to know with as little delay as possible,
what progress your artist is making with the drawings you spoke about
in your letter some time ago. I regret my engagements did not
permit me to visit you. I promise myself I shall not be
much longer detained ^{kept} from my long promised visit to the city.
"The papers begin to speak" most flatteringly of the Survey and final
reports

This was collected on the Vermont side however but it must grow all
Not Lark

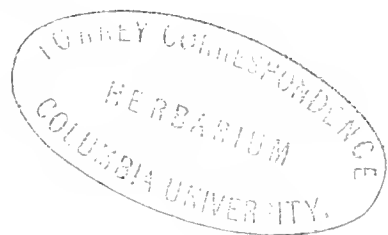
Would like to know what progress you are making with the *Poplars*,
I have the mas flowers of *Populus balsamifera* and this I believe
I did not send you before. I have not met with any Botanist who
knew the mas plants. I received it also from Lake Champlain.*
If you should go on Staten Island to look after P. Canadensis
I wish you would secure me 10 or 12 specimens and the
fruit... also... another fruit of *P. ludoviciana* which I have not

April 8th This letter has been long delayed owing to a press of engagements,
by this time, I presume you are fairly through with your course of chemistry
and have a few moments leisure to read the letters of your friends.
That course of lectures on Botany which was so beautifully set on foot
must have cost you much close attention were it only, the writing and
writing out the Manuscript so neatly done as it is.
I sent some Boxes of Plants to London, by Capt Selor's ship, and a few days
ago had a letter from Dr. Bots acknowledging their safe arrival, Dr. B. was
much pleased to see *Carex atrata*, from the White Hills, which I sent
him, and also *C. Houghtoniana*, and 2 new forms of *C. vulpina* etc.
from here last summer. I learn by this letter of Dr. Bots that, Mr. Lambert
was dead. I gave me no particulars, Have you heard any thing relative
to what disposition he made of his Herbarium and Library? I
can you tell me anything more respecting Sir Wm J. Hooker, since he
has been settled at Kew Gardens. If you have time may give
me a little of the Botanic news of the day. If you are too much
occupied, I shall be much obliged for Dr. Gray to impart a little of his
budget, I read his Papers with much satisfaction, but have not yet had any
formal correspondence with him. Do let me hear from one or both, that I
may know what you are doing in science and Book making and the like.
I shall soon go to work and put up some sets of Series in the Book form having
printed a supplementary sheet of labels for that purpose, of which I shall send
you a copy. as well as Dr. G.
Yours very truly J. Barroth

J. Prof J. Torrey M.D. &c.



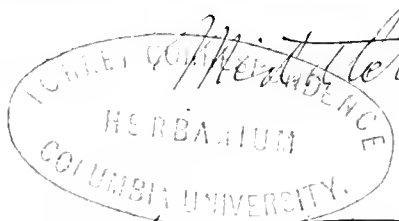
We have had an extraordinary winter. By the Met. Register I have kept, find that from Octob^r 3^d 1841, to Mar 25th 1842. There have been 18 falls of snow, amounting in all, to 63 inches. but each fall of snow was so quickly followed by thaw or rain, it afforded scarcely any sticking here - and left snow ^{as remained on the ground} in winter. Than any season during my residence in N. America I have kept full table of the weather, but cannot at this time say more on this matter. I have had no intelligence this winter from Mr. Buckley here you recused any thing from him. I have been expecting an arrival of plants - Shall send you the specimens of *S. Tomayana* May for Dr. J. D. Smith's dig new in flower and perhaps *S. Nevada*. I have some roots of *Scirpus* the Colony of this fine a month ago.



Prof J. Torrey M.D.
 30 N. 2nd Street
 New York

April 15th a Press of Engagements has kept me from dispatching several letters, and packages and thus among these, which will find its way to the Post Office. Let me say to my much esteemed friend how desirous I am to hear from you. do not let your letter be delayed like this sheet. - This is a splendid morning, and the season very early. The Willows are early than ever saw them.

My Dear Friend,



West Haven Connecticut
October 26. 1883.

41

I was greeted with your letter of the 24, this afternoon, and will show by an instant reply, how welcome it was.

I had supposed you were intensely engaged with the New York Herald, or I should have been tempted to write, and break in and disturb your progress.

Last spring I received some 15 or 20 fine specimens, in fruit well formed, of Torreya taxifolia preserved in spirit. Some of these are intended for you. I can now see in this fruit (what I before took to be the case) a close resemblance to the Japan plant, figured in Kuntze's work I possess.

The Prunus referred to in the Memoir of your last letter I well remember. I had referred it to P. americana, having collected flowers, and leaves. It is 12 feet high at least, flowers freely, but the tree grows in the middle of a dry road North of this City, and I had supposed the boys would not let the fruit alone to ripen, though seen it only green. I did not observe it this fall, which was a great season for Plums, as well as Grapes.

I might have informed you for your state survey that I found the yellow plum P. americana growing in great profusion, in meadows near Skyles Lake in Otsego County New York several years since. The fruit is yellow, and not ripe, like August of the same at this place. I enjoyed the high gratification of a visit of several days of Dr. Chapman, in the month of August - and supplied him with a number of specimens ^{of plants}, much to his satisfaction. He visited the White Mts of New Hampshire, and collected some rare plants there. of which I have specimens.

I thank you for naming Lieut. Fremont, report. to Congress what I shall take care to answer after, and I am also much obliged by your summary of news. I had not heard of Mr. Buckley, and felt much concern for his safety. The last season, what was so oppressive for Boston, I have not written me what I think very strange.

I have a great fondness for watching the progress of vegetation
in some of our fine gardens, ^{in this city} and have been looking after the
grapes and fruits and making notes from time to time.

Dr. Gray's excursion, is one in which I am interested.
I hope he will be able to cultivate the Diphyllea cymosa,
if so, I may be tempted to visit his garden, and see
the plant: or rather himself and garden. I feel a deep
interest in Dr. Gray's pursuits and undertakings.

1844 Feb 6th - The foregoing letter was written ^{long since} as the date will show.
but having much to say, I delayed finishing it, much to my
regret when I found the time, and consider how faithful
you ^{have been} as a correspondent.

I have been hard pressed in various ways, with duties, and
writing, and have to send something to you when hurried.

I have written to Washington, and am informed there are
no copies of Lieut Fremont's report, to spare, how is
this? Can you inform me? did you procure any
copies and can you supply me with one?

I have for the last 2 years or more written a number of
articles for the Papers urging Reform, of the rules of
Postage. I have drafted three Memorials, which
have been presented to Congress. I trust there is good
prospect of something being done. You have paid
large share of Postage in your day, I wish you would
send me some estimate of the amount of your postage
in a year. Cheap postage would be a great thing for
this country. I like the working of Penny System of Newland
Vill - I am glad to see so much feeling on the subject
of Post Office Reform in the country. The subject must
soon come up in Congress for its action.

I had lately occasion to deliver a discourse on the
grapes before a farmers Club, or Society in the place, and
they desire me to furnish a report to print, of their
proceedings. I have paid a good share of attention
to the grapes, and have a number of observations that
I should like to communicate for your report on
the same.

looked into the Mass. Report of Prof Dewey, and was
struck with several inaccuracies and omissions, and
a want of practical information. There has so much
among the grapes, Caries, and dry fields, both in this country
and England, that I take the same lively interest that
a farmer would. There is a good share of zeal among our
farmers in the Middle West, and I hope they will do something
better than heretofore with their pastures -

I want to know ^{how long it will be before} you come to the grapes, for your New York
Hera? Let me advise you, to refer down work if you
do not already possess it, viz The Farmers Encyclopedia
by Gilbert W. Johnson Esq. F.R.S. Adapted to the U.S.

Philad. 1844. pages 1165. In turning to several of its
articles I have been struck with the great excellence and
amount of exact information it contains, especially of the
grapes. and therefore must advise you to look at it
We still want some good practical remarks on the cultivation
of several grapes - in the U.S.

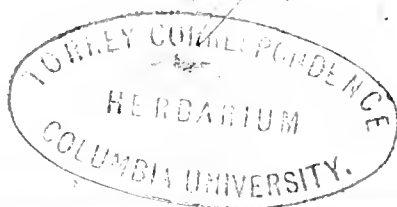
I presume you have the Compendium of the Census of the
U.S. for 1840 - Can you tell me why it is that some forty
some hundred for its dairy produce, ~~there~~ ^{are} a full report
of its grapes? I had intended to make this subject one of special
enquiry, but I have not been able to visit that country
as I hope to do hereafter.

July 22^d This letter has been delayed, I will now my kind friend attempt
to finish it, although I shall not be able at this time
to enter on several subjects of which I have copious notes
made intended for our ^{letter communication} conversation, when we next
have the happiness to meet. Can you inform me where
^{Engle} Dr James lives, and if he is familiar with the Indian names
of the plants (in Chippewy) and how you his vocabulary of the Chippewy
do you propose giving the Indian names of any of the
most remarkable plants in the State of New York.

To Prof J Torrey M.D.

Very truly yours.

A. Barratt



In looking over your New York list of Grapes, I see you follow Muhlenberg's
in calling *Poa serotena* Shr. (Red Top) I much dislike the name,
and have ^{done so} to our Farmers, thus, Late Yellow Meadew
Grapes - I regard it at Middletown as a valuable grape in
certain situations, and have advised its cultivation -
There is much confusion in the appellation of Red Top
and therefore I have taken the freedom to remind you
of the impropriety of this name. It is not a red top
and by referring to Muhlenberg Catalogue, Ed. of 1818 under *Poa*
palustris p. 11. n. 5. it is there called Marsh (Meadew) Grapes.
The English names in this list might have been given in your
list for the state - or an enlarged or revised nomenclature
with Chinese synonyms for the Farmers as you would well furnish.

Wm. L. -

New-York

Chesley Street

Middletown

Prof. L. J. Tracy M.D.

Wm

a list of the exact times of the flowering of the grapes is wanted.
Linclon gave such a list for England, but no such list has been
prepared in this country. I think there have been the best I have seen
and mine is not very extensive. It covers the Southern
Counties of New York. You have my Flowering and fruiting
Calendar of the Grapes - of the Grapes. I find when the
Season has advanced to June and July, there is about
a month's difference in the time species flower in England
and this Continent, caused by the greater heat of the summer
in this latitude.

48
Middletown Sept 8 1845

My Dear Friend.

Your letter of Aug 28th was duly received. It found me at a busy season of the year, and suffering from heat and catarrh. A friend just returned from New York informs me he delivered Schkuro's Caries to the care of Dr. Chilton of New York agreeably to directions. I was desirous to put it in the hands of some truly person only, and hence the delay longer than intended or merited.

I feel particularly obliged by the summary of news contained in your kind letter, and intend shortly giving some account of my pursuits, soon as I have time. The month of August, is with me a season of tribulation. I can ^{hardly} do little with Science and Correspondence.

I hope to be able now to get a sight of Fremont's Journal. The other day, I gave an extract of this Journal in the National Intelligencer, and now want to get a sight of his Specimens, in your possession. I had a visit on the 22^d & 23^d of August from G. B. Emmons of Boston, who came on with his Specimens of Willows for me to name. I showed him most of the Species growing: also the Poplars; found he knew little about them. He was much delighted with what I showed him. It was a bad season of the year to visit me, but I did the best I could with him, being at the time much indisposed.

See my remarks on periods of flowering and fruiting 58th Ann. Rep. of the Regents of the University of New York pages 218-9. To show the difference of the seasons for 1845-1

you are aware he is busy with his report on
Forest trees. I showed him my entire set of
specimens of oak, preserved with great care.
He informs me that *Quercus oliviformis*
is plentiful in the North part of Mass. on the
Housatonic about the same line, it was observed
by Michaux!! I am not aware of its being found
by you in New York. Michaux was not mistaken!!
I had much interesting conversation with W. Emmons
on Forest trees. He is desirous to bring his report to a
close. No doubt you are equally so with your
State Flora, which I am exceedingly desirous to see.
I can well appreciate the labours it has cost you.
The best Floras and works on Botany are sadly deficient
in the correct periods of flowering and fruiting. I have
a large mass of notes not yet digested. My Table of the
Carices ought to be some quite good and would apply to the
same latitude of New York. Have you any
titles for your Flora. That on the Willows and
Carices cost me much labour. They agree with the
season of 1839[#] which may be taken as a good standard
being very regular throughout. My notes for that year
are very full - which I purpose to publish and
a paper on the Carices and grasses*. I have a long
paper I read to a Farmers Club. Perhaps I may
give you some extracts in a few days. at present
* as regards their use in agriculture only -

HERB
COLUMBIA

shall not have time to make extracts being determined
to send this by delayed letter by next mail.

I have your letter of Sept 4th. If your Book had not
been received and a change in the weather, before
that time I should have been very sorry for
the delay. I might have caused, but lest
my meeting it may still be delayed at New York.

I send this letter at once.

Very Truly Yours
Joseph Barratt

Dr. Toney



You never replied to that part of my letter which
related to the purple Eupatorium after you
received my specimens of the same. I must
know what use if any was made in your
Herb. I have by me a paper I meant to print
with my full descriptions, and Synonyms -
when I send you I will show you the notes and
correct in your Herb. which I feel satisfied
ought to be cancelled. The material in your
Herbarium were not sufficient to show up full
character of the species especially my E. fistulosum
which is a noble plant

Find here quite common three species
of *Alnus*. viz. *A. glutinosa* W.
— *incana* W.
— *serrulata*.

The first *glutinosa* is a fine species. The specimens
of adult leaves while drying give out a resinous
or varnish-like substance, which causes the
specimens to adhere to the paper.

At one time I had doubts that it might prove to be
a *Betula*, but the difference of the fruit satisfied me
of its agreement with the other species of this genus.

Dr Gray's plates of *Betula* in the 2^d Edition is beautifully
done — and the work admirable — It is indeed

a masterly production, and worthy of a Harvard Professor.

Do you find all three species of *Alnus* in the State
of New York?

Some 2 years ago, you promised me a copy of your
Lectures on Botany, a lithographed work. Where is
it? — There was also a package of Plants from

Buckley & I hope you have ^{now} them. They were

never sent me though you acknowledged them
at the time, and I could not come after them.

Pray let me hear from you as early as convenient.

I hope to be a better correspondent on Botany though

now I have not much that will interest you.

When your Home is done — I hope to see you and Mr. Toney
and your daughters and son this fall. It is time I came to New
York and paid you a visit and renew my personal acquaintance



* See from Alabama before his return.

And. March 31st



Middleton Connecticut
March 21 1846 -

My Dear Friend

Your letter of the 19th inst. has just come to hand.. and as I have been in a writing mood for the last few days, and endeavouring to keep up with kind correspondents, I will at once answer yours. lest I should be delayed by some unforeseen occurrence. premising that Mrs. highly gratified to receive a letter from you. but had intended to give you a summary of my studies and pursuits. for sometime past. In the first place, I have procured a copy of Captain Fremont's Reports, and have been delighted with it. It is a most able Document, and highly honourable to the country.

Your reports on the Botany of Oregon. were highly satisfactory. I hope to see more plates in the next. There was an extraordinary effort to procure this Document no wonder. The number of copies were too small for the demands.

Have you sent Dr. Booth a copy, do you know? I had the promise of one, which has come, and this I propose to send him. to requite him for his attention provided he has not had it, and this you would be likely to know. do me the favor to let me know. Though you need not name it to him - as I may write him soon.

The paper you enquire about I can tell you better in a few days - I have remade some, not more than I should use at once, were I to grow my plants and make clean work. -

Mr Emmerson's report on the trees of Mass. is presumed to be printed as a state document. I did not offer to work on the Willows for him. Though I named the set of specimens he brought with him. which afforded him high satisfaction and I showed him the Willows in the growing state - Subsequently sent him a full description of *Populus teretica*. I showed him a fine row of these trees on the banks of the pond about 80 feet high, which delighted him. Out of my full notes and Mem. I drew up a full account of its flowering and fruiting. More exact than any thing which has been printed. In a letter received from him he says "Will make free use" of my article. - He sent me a full set of the Mass. Geology Reports, and some other vols. with the Quart. vol. of Geology by Hitchcock. and paid the carriage in the bargain. How different this to New York!!! I do not, to be frank expect you can get me a bag of your flora though I give you about 3,000 specimens to help you with your sets.

I should be most happy to receive a copy from
you and I know you would if possible let me
have one but I know how many difficulties
there are to prevent your success. Still I will hope.

Mar 27.th Today I have written to London, to a
Gentleman residing within a few miles of us.
He procured for me in London a few rare books.
which have arrived by Capt. Selor. and I learn to
day they will be here by the next Boat.

I sent for Linnaeus ... Bartram's Travels,
Marshall's Arb. Amer. ... Ray's Synopsis, and
a work on Sherwood Forest. &c. all these he procured.
I wanted to look at Ray's Synopsis, and study
it - being so familiar with British Botany. -
Marshall's Arb. was I am informed sent, I never
could procure it. in this Country, and I do not
recollect ever having seen it in your Library. -
I promised myself I should write you a long
letter. having much to communicate.
To do this I will hasten this letter, and send away
and do myself the pleasure of writing again more
fully in a few days. I purpose visiting New York
in about a month this time. and should be most
happy to make your residence in my way.

Where shall you be and how engaged this Spring?
I purpose to send Mr. Torrey a table on Egyptian Chronology
drawn up by Dr. Juvénis. which will I believe

interest her, and your Daughters. I hope these
Young Ladies have not forgot me.

I want to see your son. You say nothing about
New time.

I shall venture to drop Mr Joney and on
the Irish language, It is a matter which has
interested me not a little, and I have ^{done} ~~made~~

Considerable ^{towards} ~~of~~ vocabulary from a native of
Munster. also of the Welch, ^{from all Wales than} I fancied
I could pronounce ^{thorough} it better after my
own way of writing it, ^{down} and marking it,
and so I found it.

I now wonder I did not earlier take a fancy
to study Irish - Mr Joney gave me a Bible
in Irish and this led me to read it to the Irish.

I shall have much to say on this subject at
a suitable time, perhaps when we meet next
time which I hope will be soon.

Our Citizens are much engaged on their
rail road project for N York. to Boston It is
an noble project. The movements of the age
are great and extraordinary. who would ever
have expected to see the Magnetograph perform
such wonders - Davy in all the ~~extraneous~~
of his imagination and splendor of his ~~achievements~~
did not reach it. What next

Prof J Joney.

Very Truly Yours

Joseph Barratt

